

# INTÉGRITÉ COATINGS SYSTEMS REFERENCE GUIDE

## 1/4" FULL BROADCAST CHIP SYSTEM

### **PRODUCT**

Intégrité Coatings Basecoat  
Intégrité Coatings 1/4" Chip 50 lb box  
Intégrité Coatings Topcoat

### **DOCUMENT**

Pages 19-22: Intégrité Coatings Basecoat  
Page 45: 1/4" Decorative Chip Quantity Chart  
Pages 47-49: Intégrité Coatings Topcoat

## SINGLE BROADCAST QUARTZ SYSTEM

### **PRODUCT**

Intégrité Coatings Basecoat  
Colored Quartz 50 lb. bags  
Intégrité Coatings Exterior Topcoat

### **DOCUMENT**

Pages 19-22: Intégrité Coatings Basecoat  
Page 46: Decorative Quartz Quantity Chart  
Pages 57-59: Intégrité Coatings Exterior Topcoat

## DOUBLE BROADCAST QUARTZ SYSTEM

### **PRODUCT**

Intégrité Coatings Basecoat  
Colored Quartz 50 lb. bags  
Intégrité Coatings Build Coat  
Colored Quartz 50 lb. bags  
Intégrité Coatings Exterior Topcoat

### **DOCUMENT**

Pages 19-22: Intégrité Coatings Basecoat  
Page 46: Decorative Quartz Quantity Chart  
Pages 37-38: Intégrité Coatings Build Coat  
Page 46: Decorative Quartz Quantity Chart  
Pages 57-59: Intégrité Coatings Exterior Topcoat

## SOLID COLOR SYSTEM

### **PRODUCT**

Intégrité Coatings Basecoat (Tan or Grey)  
Intégrité Coatings Medici Basecoat

### **DOCUMENT**

Pages 19-22: Intégrité Coatings Basecoat  
Pages 27-32: Intégrité Coatings Medici Basecoat

## MEDICI™ POLYUREA COLOUR COATING SYSTEM

### **PRODUCT**

Intégrité Coatings Medici Basecoat  
Intégrité Coatings Topcoat

### **DOCUMENT**

Pages 27-32: Intégrité Coatings Medici Basecoat  
Pages 47-49: Intégrité Coatings Topcoat

## MATTE FINISH TOPCOAT

### **PRODUCT**

Intégrité Coatings Matte Topcoat

### **DOCUMENT**

Page 53: Intégrité Coatings Matte Topcoat

## COATING VERTICAL SURFACES

### **PRODUCT**

All Intégrité Coatings

### **DOCUMENT**

Pages 42-44: Coating Vertical Surfaces

## MOISTURE STOPPING PRIMERS

### **PRODUCT**

Intégrité Coatings Moisture Stopping Primer  
Intégrité Coatings Moisture Stopping H2O Primer

### **DOCUMENT**

Pages 42-44: Intégrité Coatings Moisture Stopping Primer  
Pages 42-44: Intégrité Coatings Moisture Stopping H2O Primer

## CONCRETE PREPARATION

### MOISTURE TESTING FOR CONCRETE SLABS

Moisture Vapor Transmission (MVT) is the number one cause of coatings failures across the board. It is imperative that the moisture content be checked prior to installing any and all coating systems. This is usually done during the bidding process, which will tell you if moisture is a concern and needs to be remedied. Left unchecked, moisture in the concrete can lead to premature delamination, peeling, and bubbling of resinous coatings.

### TRAMEX CME 4 MOISTURE METER – STANDARD RESIDENTIAL TESTING

Intégrité Coatings recommends the Tramex CME 4 Moisture Meter to test garage slabs and other residential applications. It is a non-invasive meter that does not require any drilling or waiting for results. Place the meter on a level concrete floor and push down, this will give you an accurate reading inside the concrete, not just on the surface. This particular moisture meter will read between 0-6 % moisture content. Any readings "maxing out" the dial will indicate definite moisture problems.

If the moisture meter reads more than 5.0% moisture content, Intégrité Coatings requires application of one of our **Intégrité Coatings Moisture Stopping Primers** to create a vapor barrier. This will stop vapor drive and provide a better, stronger substrate for coatings. Of the two versions that are available, the standard **Intégrité Coatings Moisture Stopping Primer** will be the "cure-all," meaning that it will resolve nearly all problems related to MVT. However, this can raise the installation cost substantially so Intégrité Coatings recommends testing with calcium chloride tests to get a cumulative number in lbs./1000sf/24 hours and determine if the **Intégrité Coatings Moisture Stopping H2O Primer** is a suitable solution. The **H2O** version will hold back 6 lbs. of vapor drive when applied as a single coat. If two coats are applied it will hold back up to 12 lbs. Any results higher than that will require shot-blasting of the concrete and installation of the standard **Intégrité Coatings Moisture Stopping Primer** to resolve the issue.

- ❖ **If excessive Moisture Vapor Transmission (MVT) is a concern as shown in the tests, there are costs involved with the remediation products and those need to be passed on to the customer.**
- ❖ **Moisture results will be required for warranty coverage. Always document the condition of the concrete you are coating.**

### CALCIUM CHLORIDE TESTING – STANDARD COMMERCIAL TESTING

The calcium chloride vapor emission test was developed over 40 years ago to quantify the volume of water vapor radiating from a concrete slab surface over time. This test is directly specified by the vast majority of the Commercial Floor Covering Industry as the primary measure of moisture acceptability for floor covering installation. Use this test to record the amount of moisture that emits from 1,000 square feet of slab surface in 24 hours. The result is expressed as "pounds" which is the equivalent weight of water, emitted as vapor, over 1,000 square feet in 24 hours. Always record a copy when reporting results using this test. Calcium chloride testing requires the use of a gram-weight scale with a gradation of 1/10th (0.1) gram. The calcium chloride container is weighed before and after exposure to the concrete slab. It is highly recommended that the test be weighed prior to, and directly after exposure on the same scale. This is a very sensitive and highly accurate test when conducted properly. The acceptable level for standard Intégrité Coatings coatings will be at or below the 3 lbs/1000 sf/24 hrs range. Any readings found to be higher than this will constitute the installation of an **Intégrité Coatings Moisture Stopping Primer**.

- ❖ **To apply for warranty coverage, Intégrité Coatings requires the use of calcium chloride testing and documented results for any jobs over 2000 sq. Ft. In both commercial and residential applications.**

### REMOVAL OF CONCRETE CONTAMINATION AND OIL

Contamination of the concrete can cause premature failure of the coating system, usually in the form of delamination. Contamination can happen during the placement process, but is normally introduced to the concrete from other sources during regular use. Examples of such contamination are fats, oils, dirt from boots, building materials, spillage, or residue from cooking. Other sources of contamination may be present on aged concrete surfaces. Dust, dirt, grease, oil, chalk, chemicals, etc, are examples of the contamination that must not be forced deeper into the concrete or spread over a larger area during removal. A single approach or combination of different cleaning methods may be utilized to remove the contamination. Floor cleaners such as **Intégrité Coatings Degreaser** can help to break the contamination down enough

to be flushed away with water or a pressure washer. Short term cleaning programs using **Intégrité Coatings Eco Clean** can gradually eliminate excessive grease and grime in floors. Grinding or shot blasting can remove the top layer of the concrete which will in turn take the contamination with it and leave the floor clean and acceptable for coating. However, the surface can be in such severe condition that the affected area may have to be removed and replaced with new concrete. The simple test of pouring water on the surface, known as the “water break test” can quickly show if a floor is contaminated.

## **‘WATER BREAK TEST’ FOR DETECTING CONTAMINATION ON CONCRETE**

A thin layer of clean water needs to be applied over the surface to be tested. A sprayer/sprinkler/hose can be used to apply the water. Apply the water to the concrete until it forms a thin layer on the surface with no breaks present in the layer. Any beading (similar to rain drops on a polished car) or breaks in the water film indicate contamination is present. This contamination should be removed via cleaning, grinding or abrasive blasting.

## **DEGREASING**

**Intégrité Coatings Degreaser** can be used to remove areas of light to medium areas of contamination. It can be applied full strength or diluted with water to chemically break down oils, grease, and chemical spills during the cleaning/prepping process. Repeated applications may be required to achieve an acceptable finish suitable for coating. Allowing the **Intégrité Coatings Degreaser** to soak in for extended periods of time (30-60 minutes) can reduce the amount of scrubbing needed to clean the floor. Always remember to flush with adequate amounts of clean water to remove residue that may be on the surface. The concrete should be allowed to dry thoroughly before coating. This drying process can be expedited using flat squeegees to accumulate the water or using a shop-vac to suck it up.

- ❖ **Intégrité Coatings Degreaser is usually applied to contaminated areas immediately upon arrival to the jobsite. This will allow adequate time to clean the floor, scrub thoroughly, flush with clean water, and allow the floor to dry before coating.**
- ❖ **It will always be best to refer to the “water break test” during the flushing of the cleaned surface. If you notice that water is beading up and not absorbing into the concrete, another application of the Intégrité Coatings Degreaser may be necessary to completely remove the contamination. Basically if water cannot absorb into the concrete, then neither will a coating system.**

## **CLEANING PROGRAMS**

**Intégrité Coatings Eco Clean** should be used for floors that are scheduled to be coated and require extra attention due to long term misuse and heavy saturations of oil and grease. These could be locations such as mechanic shops, commercial kitchens, or processing plants. A one-time cleaning with a strong degreaser may not be sufficient to remove all the contamination. A cleaning program utilizing **Intégrité Coatings Eco Clean** as a daily floor treatment for weeks or even months leading up to the installation of a floor coating will ensure that all contamination has been removed and the coating will adhere properly. **Intégrité Coatings Eco Clean** is relatively cheap and can replace the customer's standard cleaners before and after the installation to help maintain the high quality finish of an Intégrité Coatings floor.

## **CURING OF NEW CONCRETE FLOORS**

Concrete floors are initially very alkaline having a pH of 13 to 14. A curing period of at least 30 days before coating is required for the concrete to react and become less alkaline. This curing period also allows the initial high moisture content to drop or normalize. PH testing paper and DISTILLED WATER (pH neutral) can be used to verify the alkalinity levels to make sure that, when adequately cured, the pH of the concrete is around 7 or 8. In the event that the pH has been determined not to have dropped sufficiently, additional curing time and/or the use of the **Intégrité Coatings Moisture Stopping Primer** will be necessary.

## **CURING AGENTS**

The optimum method of curing concrete is by keeping it wet for as long as possible, usually 7 – 10 days after pouring. If concrete can't be wet or moisture cured; curing agents are often used. If the wet cure is improper or inadequate, the concrete will have a tendency to crack more than normal and carbonate more extensively. Curing agents may be used to seal concrete surfaces and retain water during hydration. These agents may range from oils to chlorinated rubbers to moisture tolerant epoxies. Normally these products are not compatible with the coatings that are to be applied and must be removed prior to surface preparation.

## SURFACE HARDENERS/HARDENED SURFACES

Surface hardeners may be added to provide harder, more abrasion resistant finish. It is difficult to distinguish floors that have been treated from concrete with no hardeners. Where a hardener has been used, surface profiling needs to be more aggressive to expose the pores underlying the hardened concrete. This will ensure good coating penetration and adhesion is achieved. Metal trowel finishing can also sometimes create a hard dense surface that is difficult to clean and profile. This will be more common in commercial buildings but is also seen in high end residential garages and basements. Shot-blasting and/or diamond abrasive grinding will be the preferred methods of preparation on these types of floors. Acid etching may not be aggressive enough to provide the proper profile for adhesion of the coatings.

## SURFACE PREPARATION BEFORE COATING NEW FLOORS

Remove efflorescence/laitance from substrate to be coated. Laitance and efflorescence are two terms that are often confused with each other, although they are distinctly different. Laitance occurs during the concrete placement, finishing and curing process. Efflorescence occurs much later after the concrete has cured and settled. For any coatings operation, checking for and remedying all issues with latency and efflorescence will lead to long term coating adhesion. If these things are overlooked, problems with delamination and peeling can occur in the future.

## LAITANCE

Laitance is a weak, non-durable layer of material containing cement and fines from aggregates. It is brought by bleeding water to the top of over-wet concrete at the time of pouring. Unlike efflorescence it is virtually invisible to the untrained eye. The amount of laitance is generally increased by over-working or over-manipulating the surfaces of the concrete by finishing staff. This layer of weak "skin" may not be adhered well to the concrete properly, and should be removed prior to coating. Failure to remove the laitance will prevent good adhesion to the coatings. Such "coating failures" normally have a thin layer of cement or fines adhered to the back of the "failed" coating. In fact this is a concrete failure rather than a coating failure. Laitance is usually eliminated mechanically, as thin layers are best removed by abrasive blasting and/or diamond grinding. Acid etching can be used when laitance is limited to surface deposits, provided that no significant surface profile is required for the coating application. With thick layers of laitance, filling materials may be required to restore the concrete to its original dimensions.

## ACID ETCHING

Concrete is alkaline, therefore it can be cleaned and etched with acid. For the acid to work properly, grease, oil, waterproofing materials and other surface contaminants must be removed. Etching is necessary on all concrete floors to ensure proper adhesion of the coating to the slab. Protective Equipment including gloves, safety glasses, rubber boots, and respirators must be used at all times when using acids to open the pores of the concrete. To start the process, slowly add one quart of **Intégrité Coatings Safe Etch Solution** to 2-3 quarts of water in a plastic watering can or bucket. Working in a 10' x 10' section, pour the etching solution on the floor and scrub in with a stiff bristle broom. The etching solution should bubble and turn white for about 4-5 minutes while being scrubbed. If the solution does not bubble it means that there is a sealer on the floor and mechanical grinding will be necessary to complete the preparation. Continue the process of pouring the solution out in sections and scrubbing it in with a broom until the entire floor has been etched. When all sections are completed, rinse three times with clean water and scrub with a stiff bristle broom while rinsing. A wet/dry vacuum should be used to accumulate excess water. To speed up the process, use a floor squeegee to push all excess water to the center of the floor then vacuum up. Do not leave pooled water on the floor. Let the floor dry at least 3-4 hours.

❖ It is **IMPERATIVE** that the floor be **COMPLETELY** dry before applying any coatings. Failure to follow this warning will create application issues and possible product failure.

## GRINDING USING DIAMOND ABRASIVES

Machines with diamond impregnated metal segments on steel discs are used commonly on floor surfaces to remove the top layer of the concrete and profile the surface prior to coating. Care must be taken not to allow high points or edges to form when preparing the surface. Usually running a machine in one direction then coming back perpendicular across the first series of cuts prevents this. There are a number of varying segments that are designed to be used for different types of concrete and coatings removal. Using the right type of diamonds is essential to quick, efficient and cost effective concrete preparation. The acceptable profile for applying Intégrité Coatings will be a 20-30 grit diamond ground surface. These diamonds will leave the surface rough and the pores of the concrete open.



### **METAL BOND SEGMENTS**

**Hard Metal Bond** - These are used on soft, chalky, and porous concrete as well as broom finished and rough concrete.

**Medium Metal Bond** - Used for general purpose concrete

**Soft Metal Bond** - Used for hard, Steel-troweled and/or burnished slabs.

**Super Soft Metal Bond** – Used for extremely hard, power-troweled and/or sealed slabs. These will be the best choice for removing Cure 'N Seal compounds (acrylic sealers)

**PCDs** - Used strictly for coatings, mastic, and glue removal. These diamonds are not to be used for regular preparation of fresh concrete.

### **ABRASIVE BLASTING**

Blasting methods and equipment are quite varied. The common methods of are:

**Dry abrasive blasting.**

**Wet abrasive blasting.**

**Centrifugal wheel (shot blasting).**

Blasting removes any loose contamination (including laitance) from the surface and exposes sound, tightly adhered underlying concrete/aggregate. Care must be taken when selecting what abrasive size and type of blasting method to utilize. Access to the surfaces being prepared, cleanup of spent abrasive, dust, etc. need to be considered when utilizing this method of preparation. Shot blasting, while very efficient and inexpensive may leave too rough a profile for some Intégrité Coatings coatings. Contact a local Intégrité Coatings Representative for more information and job site specific recommendations.

### **HEALTH HAZARDS**

Mold/mildew/fungal growth can occur on coated or uncoated concrete surfaces with weathering. The growths are more pronounced in damp, cool areas, usually on the southern faces of structures. The organisms are best killed by washing with 5-10% sodium hypochlorite in an aqueous, non-ammoniated detergent solution. Appropriate PPE (Personal Protective Equipment) must be used, and care taken to ensure no contact with the chemical and eyes/skin occurs. Always wear the correct filters in approved respirators when removing or cleaning mold from concrete. If using mechanical abrading methods such as diamond grinding or shot blasting, attaching a HEPA rated vacuum system to the equipment can reduce air- born dust and debris. It is still recommended to wear a NIOSH approved respirator during the preparation process to avoid breathing in concrete dust and debris.

### **FINAL CLEANING**

Always use a high power vacuum and/or leaf blower to remove any latent dust and debris from the surface prior to installing any coatings. It may also be necessary to close doors, heating ducts, windows, etc. to make sure that nothing blows into the wet coatings. A little extra attention in this department can go a long way and lead to consistent quality finished floors.



## CONCRETE REPAIR MATERIALS

### FORTIFICATION FORMULA

Intégrité Coatings Fortification Formula is used to repair cracking, spalling, pitting, low spots and edge damage during the preparation phase of installing coatings. This material will be used to overfill the damage in the concrete and then be profiled using diamond grinders to create a flush surface ready for coating. Proper preparation for filling of cracks and spalling is essential for long term adhesion of the Intégrité Coatings Fortification Formula to the concrete being repaired.

### CRACK REPAIR

Chase all cracks with a crack-chasing blade (v-shaped diamond) on a hand grinder to open and prepare the crack for filling. This will leave the crack at about a 1/4" wide and clean the sidewalls of the concrete.

- ❖ This is an essential step for long term adhesion of the Intégrité Coatings Fortification Formula to the concrete. Oil, grease, etc. could have seeped into the crack and if the edges are not chased out the material has minimal chances of staying in place.
- ❖ Chasing the cracks will also create a space that is large enough to support a "full body" of repair material and allow it to gain maximum strength.
- ❖ Vacuum the chased out cracks to remove any loose dust prior to filling with sand or Fortification Formula. Dry silica sand can be used to fill in voids where the liquid filler would simply soak in down the crack. If using sand as a backer, always use your finger to strike the sand off at about 1/4" down from the top of the substrate. The Intégrité Coatings Fortification Formula will soak into the sand at the same time it is bonding to the concrete, creating a strong filler that will literally "weld" the concrete back together.
- ❖ **DO NOT MIX WITH "PLAY SAND" OR SAND WITH MOISTURE IN IT.**
- ❖ **BEFORE USE EVERY DAY, ALWAYS MIX BOTH PART A AND PART B WELL BEFORE COMBINING.**

### EDGE REPAIR

When cracks run to the edge of the slab or an area has been broken off due to structural damage, use Intégrité Coatings Fortification Formula mixed with dry silica sand to fully repair the damage before coating. Below are a few tips on how to properly prepare the concrete to accept the repair material.

- ❖ For a **broken off section of the front lip of a slab**, it will be necessary to gouge the concrete to create small "nooks and crannies" for the Intégrité Coatings Fortification Formula to soak into and adhere properly. To do so, use the crack chaser blade on a hand grinder to score lines in the face of the concrete. Do this at varying angles to create a rough, jagged surface – the more angular surfaces the better.
- ❖ **FAILURE TO SCORE THE CONCRETE CAN LEAD TO PREMATURE DELAMINATION OF THE INTÉGRITÉ COATINGS FORTIFICATION FORMULA AFTER A SEASON CHANGE WHEN MOISTURE HAS A CHANCE TO PENETRATE THE CONCRETE AND FREEZE/THAW OR EXPAND AND CONTRACT.**
- ❖ For **cracks that run to the edge of the slab**, always use the crack chaser blade on a hand grinder to chase the crack out to the face of the slab. Be careful not to score too far and damage the driveway, abutting slabs, pavers, or walls, etc.

Because Intégrité Coatings Fortification Formula is a Polyurea repair material that does not bond to plastic, use plastic sheeting in the form of **FOR SALE** signs or something similar to form up and create a barrier that defines the repair area. This type of plastic sheeting will be readily available at local hardware stores, is very cheap, and can be re-used for future repairs. Small pieces of these plastic forms should be held in place using shims, 10" putty knives, scraps of lumber, duct tape, or any other available objects that are heavy enough to hold them in place while the repairs cure.

- ❖ **USE DRY SILICA SAND AROUND THE EDGES TO CREATE A DAMN SO THAT THE MATERIAL DOES NOT FLOW OUT THE SIDES. THIS SAND CAN BE RECOVERED AND RE-USED FOR FUTURE REPAIRS. THE AREA SHOULD ALWAYS BE VACUUMED THOROUGHLY BEFORE ANY RE-PROFILING.**

- ❖ Following the mixing instructions below, blend equal amounts of Part A and Part B thoroughly then pour in place. Use minimal quantities so that there is just enough to overfill the crack without having material pool up and/or pour over the edges of the plastic form.

## SPALL REPAIR / LOW SPOTS

Spalling is damage caused by salt penetration into the concrete and a chemical reaction that breaks down the surface creating pits, holes, and an overall rough surface on the slab. This can also be caused by water penetration and freezing, thus forcing the brittle concrete away from the surface. As Intégrité Coatings are not typically installed as “high build”, this type of damage could show through the final finish if not repaired during the preparation phase of installing a coating. Intégrité Coatings Fortification Formula should be used to overfill spalled concrete, and after re-profiling is complete the surface will be smooth, level, and acceptable for coating. Below are the proper procedures to make sure that the Intégrité Coatings Fortification Formula both bonds to the concrete surface and allow successive coatings to adhere.

- ❖ Spalling repair should only be attempted once the floor has been ground over using a planetary grinder with diamond tooling, or shot blasting has prepared the surface. This will knock down the high spots in the concrete and begin the process of leveling the floor.
- ❖ Oil spots and contamination should be cleaned and removed using the **Intégrité Coatings Degreaser** or **Intégrité Coatings Eco Clean** and allowed to completely dry before moving forward. Moisture left in the concrete will cause the Intégrité Coatings Fortification Formula to bubble and outgas as it cures.
- ❖ For low spots, also known as “bird baths” it will be important to gouge the surface to create grooves and jagged edges for the filler to grab a hold of. Always create a rough surface before applying any fill material.
- ❖ Thoroughly vacuum the surface to remove any latent dust and debris in the low spots.
- ❖ Following the mixing instructions below, blend equal amounts of Part A and Part B thoroughly then pour in place. For large areas it will be best to mix large volumes (up to 32 oz. at a time) and use a putty knife to spread the material and fill in all the voids. Always remember to overfill the affected areas so that everything will be flat after re-profiling. Dry silica sand can be used as a filler to make the Intégrité Coatings Fortification Formula spread farther, and should be mixed in while combining the two liquid components.
- ❖ **NEVER MIX MORE THAN 1 PART LIQUID (A + B) TO 1 PART SAND. EXAMPLE: (12 oz. PART A) + (12 oz. PART B) + (24 oz. DRY SILICA SAND BY VOLUME).**
- ❖ Use the Intégrité Coatings Fortification Formula with sand mixture to fill the majority of the void in the concrete. It will always be best to use a batch of Intégrité Coatings Fortification Formula without sand to apply the final layer over the repair. This mix will be thinner and self-level better without having to trowel it in place. The end result will be a large, flooded area that can be ground flat once cured.

## MIXING OPTIONS

- ❖ Over a mix bin or garbage can, pour out equal amounts of Part A and Part B in two separate paper Dixie cups. Mix the two cups back and forth about 10 times, or for 10-15 seconds to combine and blend the components.
- OR**
- ❖ Using small calibrated mixing containers, combine equal amounts of Part A and Part B and blend thoroughly with a paint stick or drill with paddle style mixer for about 20-30 seconds. **DRY SILICA SAND** can be added to the mix to thicken it up, acting as both a filler to increase the volume and also to lessen the chances of the material flowing and sinking into deep cracks.
  - ❖ **FORTIFICATION FORMULA WILL REACT IMMEDIATELY UPON MIXING AND SHOULD BE PLACED WITHIN 1 MINUTE TO GUARANTEE ADHESION.**
  - ❖ Pour the mixed material into the repair area and overfill to ensure a level surface after grinding. If using Dixie cups for mixing, always pinch the top of the cup to create a small pour spout for better accuracy when pouring.
  - ❖ If sand is added to the mixture it may be beneficial to use a putty knife to move the filler into place. Any material that is not “in the crack” could be considered waste, as it will eventually be ground off to profile the Intégrité Coatings Fortification Formula and the slab.

### **RE-PROFILING ONCE CURED**

When the Intégrité Coatings Fortification Formula has cured - usually after about 15 minutes - it will be light grey in color and hard to the touch. It is a ready to grind when it is resistant to finger nail marking. Grind the Intégrité Coatings Fortification Formula flush with the slab using a diamond cup wheel on a hand grinder and make sure the repaired area is smooth and level. Take care not to remove additional concrete that could potentially form a low spot on the floor. Just grind enough to remove the overfill and leave the floor / repair area flat.

- ❖ **ALWAYS REMEMBER TO GRIND PERPENDICULAR TO ANY CRACKS THAT WERE FILLED, AND FAN OUT THE REPAIR 12" TO ELIMINATE ANY TOOL MARKING. GRINDING IN-LINE WITH THE REPAIR CAN CAUSE A TROUGH TO FORM, WHICH ENDS UP LOOKING WORSE THAN THE CRACK AND CAN SHOW THROUGH THE COATING. THIS WILL BE VERY IMPORTANT ON SOFTER CONCRETE FLOORS AND FLOORS THAT ARE NOT LEVEL.**

### **FAST PATCH**

Intégrité Coatings Fast Patch is a two-component epoxy putty that can be used to fill minor cracks, spalls, and low spots as well as vertical cracks and slab damage. While not as fast drying as the Intégrité Coatings Fortification Formula, it does not have to reach full cure and be profiled prior to coating. This makes it the optimal choice for new installers filling hairline cracks, pits and small surface flaws. Intégrité Coatings Fast Patch is the quickest, easiest way to make repairs without the use of any extra equipment.

### **MIXING – MIX RATIO IS 1A:1B**

- ❖ Snap a wooden paint stick in half to use for stirring the two components.
- ❖ Remove the lid from the part A quart can and use the paint stick to stir the material prior to use. Then scoop out a small amount of material onto a piece of scrap cardboard to use as a mixing station. Replace the lid to avoid contamination.
- ❖ Repeat the procedure using the part B quart can, making sure to add the same amount of material as the part A.
- ❖ Mix the materials on the cardboard together for at least 2 minutes until a uniform color is achieved.
- ❖ Use a small putty knife, plastic squeegee, or similar tool to fill in cracks, holes, pits, etc. and remove the excess. For large holes, deep cracks and heavily damaged areas it is suggested to use the Intégrité Coatings Fortification Formula instead of the Intégrité Coatings Fast Patch.
- ❖ Once all the repairs have been made, the floor is ready to coat. Avoid stepping in the wet/semi-dry Intégrité Coatings Fast Patch during the coating process as it will take a full 8-12 hours to cure completely.



## INTÉGRITÉ COATINGS FORTIFICATION FORMULA

### Product Description

Intégrité Coatings Fortification Formula is a two-component, 100% solids, VOC Compliant, ultra low viscosity polyurea repair material that has the ability to cure in a wide range of temperatures. Its high compressive strength makes it a great choice for heavy traffic areas and those that are prone to damage due to falling objects. It is a fast curing product that produces quick return-to-service times.

### PRODUCT FEATURES

- ❖ Bonds well to a variety of substrates including concrete, wood, fiberglass and asphalt.
- ❖ Displays fast cure times (5-25 minutes) in a wide range of temperatures.
- ❖ Can be squeegee applied over spalled concrete to fill in and eliminate holes, pits, and cracks.
- ❖ Can be used in depths of 1/16" to 3" without the need of sand or pea gravel as a filler.
- ❖ Easy to mix 1:1 ratio.
- ❖ Able to be returned to service immediately after initial cure (10-30 minutes).
- ❖ Emits virtually no odors and can be applied indoors.
- ❖ Once cured, Fortification Formula remains completely inert, meaning it will not swell or shrink with temperature changes.
- ❖ Cures non-porous and will not allow bacteria, mold and other pathogens to bond to it.

### PRIMARY APPLICATIONS

- ❖ Commercial freezer repairs
- ❖ Aircraft hangar floors
- ❖ Low temperature equipment
- ❖ Maintenance facility floors
- ❖ Garage floors
- ❖ Industrial shop floors
- ❖ Car washes or wash bays
- ❖ Forming / rebuilding stairs and steps
- ❖ Leveling and grade matching
- ❖ Bridge / street repairs
- ❖ Concrete polishing and other coating applications
- ❖ Non-moving control joint fill

### ADHESION RESULTS

ASTM D-4541 Elcometer  
Concrete                      Concrete failure                      >550psi

### PACKAGING

Product is sold in 1 gallon kits in CONCRETE GRAY color

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	4800
Compressive Strength (psi Mpa)	ASTM C109	5600
*W/ Sand		6200
Elongation	ASTM D412	6-8%
Bond Strength	ASTM 882-99	2250
Hardness, Durometer	ASTM D2240	67-72 D
Viscosity (mixed)		25 CPS
Tear Strength	ASTMD624	-LB/MIL 489

### TYPICAL PROCESSING PROPERTIES

1:1 Mix Ratio (@72°F)	5-10 minutes - tack free
Pot Life (@72°F)	1-2 minutes
Weight Solids	100%
Color	A - Amber B - Gray
Relativity Humidity-72°F-54%	Hard dry - 5-10 minutes
	Foot Traffic - 10 minutes
	Vehicle Traffic - 30 Minutes

### SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened drums and buckets. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards.

# INTÉGRITÉ COATINGS MOISTURE STOPPING H<sub>2</sub>O PRIMER

Intégrité Coatings Moisture Stopping H<sub>2</sub>O Primer is a two component, water-based, 50% solids, moisture vapor transmission (MVT) blocking and pH resistant epoxy primer used to remedy concrete floors with high moisture levels before the application of finish coatings. Capable of holding back up to 12 lbs. of MVT (two coats), this primer has excellent adhesion to moisture laden concrete slabs. Intégrité Coatings Moisture Stopping H<sub>2</sub>O Primer can be applied to concrete as early as 48 hours after placement, reducing job-site downtime and delays in production. This coating should be used when calcium chloride test results are higher than the specified 3 lbs./1000 sf/24 hours rating, or when pH levels exceed 7-8 using test strips.

**INTÉGRITÉ COATINGS MOISTURE STOPPING H<sub>2</sub>O PRIMER IS A 1A:2B MIX RATIO COATING. IT IS SOLD IN A CONVENIENT KIT THAT ALLOWS FOR EASY MIXING AND APPLICATION OF THE SYSTEM.**

## **CONCRETE PREPARATION**

For existing concrete surfaces, shot blasting, diamond grinding or water blasting is highly recommended to remove surface contaminants. Acid etching is also an acceptable method of preparation, and must be neutralized and flushed clean prior to the application of any coatings. Any oils or fats must be completely removed prior to product application. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion. Do not apply to wet substrates, damp surfaces are acceptable. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should be rough to promote proper penetration. Concrete surface should represent a minimum ICRI CSP 2-3 profile before coating can commence. Please see the ICRI CSP Scale page for references on the approved profiles.

❖ **REVIEW THE TECHNICAL DATA SHEET FOR MORE INFORMATION ON THE COATING OF "GREEN CONCRETE."**

## **APPLICATION – THIS PRODUCT IS NOT TO BE USED BELOW 50°F**

- ❖ Product should be agitated prior to use with a drill and paddle style mixer or paint sticks to put the solids content evenly in suspension. This should be done to both sides prior to use every day.
- ❖ Reference the mix chart to determine quantities needed and maximum size batch to mix.
- ❖ Pour desired quantity of Part A into a calibrated mixing container.
- ❖ Add desired quantity of Part B into the same calibrated mixing container, maintaining the 1A:2B ratio.
- ❖ Spin the materials slowly but thoroughly for at least 3 minutes using a drill and paddle style mixer until a uniform consistency is achieved.
- ❖ **MIXED PRODUCT MUST BE ALLOWED TO STAND FOR 15 MINUTES (INDUCTION TIME) BEFORE USE.**
- ❖ Following the induction time, pour the mixed material onto the surface in a ribbon about 8 to 10 inches wide along the starting edge of the wall. Roller, brush or squeegee the material out over the surface at a spread rate of 250 sf/gallon.
- ❖ **THIS SPREAD RATE MUST BE PRECISELY MET FOR THE PRODUCT TO FUNCTION PROPERLY.**
- ❖ Do not allow the material to pool or fill in control joints or a soft cured product may result.
- ❖ Use de-linted, 18" 3/8 nap rollers to backroll the coating in one direction. Once complete, always backroll the coating perpendicular to the first roll to make the sure the coating is even in thickness. As the coating cures it will self-level and fill in minor dips and valleys.
- ❖ When applying subsequent coatings, allow the Intégrité Coatings Moisture Stopping H<sub>2</sub>O Primer to cure to a *tack free* finish. This will generally be about 6 hours at 77° F (25°C) or longer at lower temperatures. Intégrité Coatings Basecoat thinned with 10% MEK or Intégrité Coatings Build Coat thinned with 10% acetone can be applied to the cured primer at this point without the need to sand the floor. This re-coat range is typically within 6-8 hours after the initial application of the Intégrité Coatings Moisture Stopping H<sub>2</sub>O Primer.
- ❖ If the primer has been allowed to cure for over 8 hours, scuff sanding will be necessary prior to the application of additional coatings (see Compatible Coatings). This can be achieved using 40-80 grit sandpaper on a floor buffer type machine, taking care not to burn through the cured coating. The goal is to de-gloss the coating completely and provide a rough profile for the next coating. The sanded surface should be thoroughly vacuumed to remove dust and debris and then wiped down with MEK as a final cleaning step prior to re-coating.



## INTÉGRITÉ COATINGS MOISTURE STOPPING H<sub>2</sub>O PRIMER

INTÉGRITÉ COATINGS MOISTURE STOPPING H<sub>2</sub>O PRIMER IS MIXED AT 1A : 2B

FLOOR SIZE (SF)	COVERAGE RATE (SF/GAL) 18 MILS	VOLUME AMOUNT NEEDED (GAL)	VOLUME		VOLUME	
			(1) PART A (OZ.)		(2) PART B (OZ.)	
50	250	0.20	9		17	
100	250	0.40	17		34	
150	250	0.60	26		51	
200	250	0.80	34		68	
250	250	1.00	43		85	
300	250	1.20	51		102	
350	250	1.40	60		119	
375	250	1.50	64	1/2 GALLON	128	1 GALLON
400	250	1.60	68		137	
450	250	1.80	77		154	
500	250	2.00	85		171	
550	250	2.20	94		188	
600	250	2.40	102		205	
650	250	2.60	111		222	
700	250	2.80	119		239	
750	250	3.00	128	1 GALLON	256	2 GALLONS
800	250	3.20	137		273	
850	250	3.40	145		290	
900	250	3.60	154		307	
950	250	3.80	162		324	
1000	250	4.00	171		341	
1050	250	4.20	179		358	
1100	250	4.40	188		375	
1125	250	4.50	192	1.5 GALLONS	384	3 GALLONS
1150	250	4.60	196		393	
1200	250	4.80	205		410	
1250	250	5.00	213		427	
1300	250	5.20	222		444	

**\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES**

THIS PRODUCT IS TO BE BATCH MIXED AND APPLIED WITH A 1/8" NOTCHED SQUEEGEE AND BACKROLL

INTÉGRITÉ POLYUREA COATINGS

3001 103rd Lane NE Blaine, MN 55449

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## INTÉGRITÉ COATINGS MOISTURE STOPPING H2O PRIMER

### Product Description

Intégrité Coatings Moisture Stopping H2O Primer is a two component, water-based, 50% solids, moisture vapor transmission (MVT) blocking and pH resistant epoxy primer used to remedy concrete floors with high moisture levels before the application of finish coatings. Capable of holding back up to 12 lbs. of MVT (two coats), this primer has excellent adhesion to moisture laden concrete slabs. This coating can be applied to concrete as early as 48 hours after placement, reducing job-site downtime and delays in production.

### PRODUCT FEATURES

- ❖ Adheres to damp concrete and masonry substrates.
- ❖ Long working time eases in the spread of the mixed material.
- ❖ Prevents shrinkage cracks.
- ❖ Eliminates concrete dust.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ Displays good chemical resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ Excellent self-leveling properties increase hiding power over damaged substrates.
- ❖ Fast curing, allowing for re-coat within 6-8 hours
- ❖ Can be applied to "Green Concrete" as early as 2 days after placement. (Contact RSP for details)

### PRIMARY APPLICATIONS

- ❖ Primer for "Green Concrete"
- ❖ Self leveling coating
- ❖ Moisture stopping primer
- ❖ Strengthen existing concrete
- ❖ Substitute for concrete curing compounds

### SUITABLE FOR USE UNDER

- ❖ Epoxies
- ❖ Urethanes
- ❖ Polyureas
- ❖ Cementitious overlays

### TEMPERATURE

60°F - 80°F (16°C - 27°C)

During the installation and cure, maintain surface temperatures between 60°F and 80°F. The concrete surface must be at least 5°F above the Dew Point temperature. Coating should only be applied when temperature is steady and/or falling. **DO NOT APPLY UNDER 60°F OR WHEN TEMPERATURE IS RISING. DO NOT APPLY IN DIRECT SUNLIGHT.**

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete Concrete Failure >450psi

### PACKAGING

Available CLEAR in 1.5 gallon kits (1/2A:1B)

### TYPICAL PROCESSING PROPERTIES

Pot Life	Empty container immediately after mixing.
Working Time	1 Hour @ 77°F (25°C)
1:2 Ratio	Tack free - 6 hours
(Relativity Humidity- 72°F - 54%)	Hard dry - 24 hours
VOC Content	Compliant in all 50 states and Canada
Viscosity	700 cps at 77°F (25°C)
Permeability (gr./ft <sup>2</sup> /hr. in Hg <sup>-1</sup> )	0.09

### RECOMMENDED COVERAGE

Over prepared concrete surface	250 sf/gal @ 3.2 mils DFT
VOC compliant in all 50 states and Canada	

### SURFACE PREPARATION

#### Old concrete

Shot blasting, diamond grinding or water blasting is highly recommended to remove surface contaminants. Acid etching is also an acceptable method of preparation, and must be neutralized and flushed clean prior to the application of any coatings. Any oils or fats must be completely removed prior to product application. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion. Do not apply to wet substrates, damp surfaces are acceptable. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should be rough to promote proper penetration.

#### New Concrete

Use standard Portland cement (type I) or high early strength (type 3) concrete without additives, hardeners, curing agents or sealers. Surface must be set so it can be walked on (usually overnight) and must be free of surface dirt, oil spills, etc. Intégrité Coatings highly suggests waiting as long as possible for the concrete to dry, but the Intégrité Coatings Moisture Stopping H2O Primer™ can be installed as soon as 48 hours after placement. Shot blasting, diamond grinding or water blasting is highly recommended to remove surface contaminants. Acid etching is also an acceptable method of preparation, and must be neutralized and flushed clean prior to the application of any coatings. Any oils or fats must be completely removed prior to product application. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion. Do not apply to wet substrates, damp surfaces are acceptable. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should be rough to promote proper penetration.

### Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints must be honored. Intégrité Coatings Moisture Stopping H2O Primer should be applied down into horizontal saw-cut control joints (do not allow to pool) and allowed to cure a minimum of 24 hours before they can be filled with a backer rod and a compatible Polyurethane sealant.

### PRIMER REQUIREMENTS

Please consult your product supplier for job specific recommendations. Intégrité Coatings Moisture Stopping H2O Primer is designed to be applied direct to concrete and under no circumstances should a separate primer be applied prior to the application of Intégrité Coatings Moisture Stopping H2O Primer.

### INSTALLATION RECOMMENDATIONS

It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

### APPLICATION INFORMATION

Mix the Intégrité Coatings Moisture Stopping H2O Primer™ by combining at a ratio of 1 Part A to 2 Parts B. Combine thoroughly for a minimum of three minutes with a drill and paddle style mixer. When thoroughly mixed to a uniform consistency, the material **MUST BE ALLOWED TO STAND** for 15 minutes (induction time) before using.

Following the induction time, pour the mixed material onto the surface in a ribbon about 8 to 10 inches wide along the starting edge of the wall. Roller, brush or squeegee the material out over the surface at a spread rate of 250 sf/gallon. **THIS SPREAD RATE MUST BE PRECISELY MET FOR THE PRODUCT TO FUNCTION PROPERLY.** Do not allow the material to pool or fill in control joints or a soft cured product may result.

When applying subsequent coatings, allow the Intégrité Coatings Moisture Stopping H2O Primer to cure to a *tack free* finish. This will generally be about 6 hours at 77° F (25°C) or longer at lower temperatures. Scuff sanding may be necessary prior to the application of additional Intégrité Coatings.

### Squeegee Application

Intégrité Coatings Moisture Stopping H2O Primer is to be applied using 1/8" notched squeegees or trowels at a spread rate of 250 sg/gal.

**DO NOT APPLY THE MATERIAL THINNER THAN SPECIFIED OR LOSS OF PERFORMANCE WILL OCCUR.**

### Roller

Use only high quality, shed and solvent resistant, phenolic core, natural or synthetic fiber roller covers. 3/8" nap are recommended, thicker nap may cause bubbling of the coating. A spiked roller can be used to release any entrapped air in the coating if required.

### Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

### Thinner

Intégrité Coatings Moisture Stopping H2O Primer should **NOT** be thinned using any type of solvent. Use alternate coatings if a thinner material is required.

### Clean Up

Use ACETONE to clean tools, etc. before product cures.

## COMPATIBLE COATINGS

Intégrité Coatings Moisture Stopping H2O Primer

**\* Intégrité Coatings Moisture Stopping H2O Primer requires scuff sanding via 40-60 grit sandpaper to provide a profile for additional coatings after 8 hours. Intégrité Coatings Basecoat, Intégrité Coatings Build Coat, and Intégrité Coatings Medici Basecoat can be installed directly over the Intégrité Coatings Moisture Stopping H2O Primer if done so within 5-8 hours of initial application.**

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 60-100° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)

USDA and FDA certified food safe for incidental food contact.

## SHIPPING INFORMATION

Flash Point:	>66°C (>150°F)
Weight/Gallon:	9 ±1.0 lbs.
DOT HAZARD CLASS	Not Regulated
DOT PACKAGING GROUP	N / A
DOT LABEL	Not Regulated
DOT SHIPPING NAME	N / A
UN / NA NUMBER	N / A

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS MOISTURE STOPPING H2O PRIMER™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a manner that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.



# INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER

Intégrité Coatings Moisture Stopping Primer is a two component, 100% solids, moisture vapor transmission (**MVT**) blocking and pH resistant epoxy primer used to remedy concrete floors with high moisture levels before the application of finish coatings. Capable of holding back up to 25 lbs. of MVT, this primer has excellent adhesion to even the most moisture laden concrete slabs. Intégrité Coatings Moisture Stopping Primer also exhibits great self-leveling properties and is unaffected by high pH levels up to 14, making it the perfect solution on any concrete surface. This coating should be used when calcium chloride test results are higher than the specified 3 lbs./1000 sf/24 hours rating, or when pH levels exceed 7-8 as specified in the Concrete Preparation section of the manual.

**INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER IS A 3A:2B (1.5A : 1B) MIX RATIO COATING. IT IS SOLD IN A CONVENIENT 5 GALLON KIT THAT ALLOWS FOR EASY MIXING AND APPLICATION OF THE SYSTEM.**

**DUE TO THE SELF-LEVELING CHARACTERISTICS OF THIS COATING, IT SHOULD NOT BE INSTALLED ON HEAVILY SLOPED FLOORS WITH MORE THAN 5% SLOPE (MORE THAN A 1" ELEVATION CHANGE OVER A DISTANCE OF 8-10 FEET)**

## **CONCRETE PREPARATION**

Prior to the application of the Intégrité Coatings Moisture Stopping Primer, the concrete must be shot blast to remove surface contaminants and provide an anchor for adhesion. **ACID ETCHING IS NOT AN ACCEPTABLE METHOD OF PREPARATION.** Any oils or fats must be completely removed prior to product application. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion – typically grinding is the most efficient way to remove existing coatings. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should represent a minimum ICRI CSP 3 profile before coating can commence. Please see the ICRI CSP Scale page for references on the approved profiles.

**WHEN COATING "GREEN CONCRETE," IT MUST BE ALLOWED TO CURE FOR A MINIMUM OF 7 DAYS BEFORE USING THE INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER**

## **APPLICATION – THIS PRODUCT IS NOT TO BE USED BELOW 50°F**

- ❖ Remove the lid from the **Part A** 5-gallon bucket and use a drill with paddle style mixer to spin the material for at least 1 minute prior to use. Replace the lid immediately to avoid contamination of the coating. Remove the lid from the **Part B** 2-gallon bucket and use a drill and paddle style mixer or paint stick to mix the material for at least 1 minute.
- ❖ Reference the mix chart to determine quantities needed and maximum size batch to mix.
- ❖ Pour desired quantity of Part A into a calibrated mixing container.
- ❖ Add desired quantity of Part B into the same calibrated mixing container, maintaining the 3A:2B ratio.
- ❖ Spin the materials slowly but thoroughly for at least 2 minutes using a drill and paddle style mixer. Be careful not to introduce air and moisture into the coating during mixing.
- ❖ **TRANSFER ALL OF THE MIXED MATERIAL TO ANOTHER CALIBRATED MIXING CONTAINER, MAKING SURE TO SCRAPE THE SIDES OF THE BUCKET AND GET ALL THE MATERIAL OUT. THIS IS TO AVOID POURING POTENTIALLY UNMIXED MATERIAL ON THE FLOOR.**
- ❖ Use the drill and paddle style mixer to blend the materials for an additional 1 minute.
- ❖ Pour the mixed material along the length of the floor in ribbons about 8-10" wide.
- ❖ Using a ¼" **NOTCHED SQUEEGEE** while on shoe spikes, spread the material evenly over the entire floor. Leave small ribbons near the perimeter walls for another installer to cut in with a brush. Intégrité Coatings Moisture Stopping Primer has excellent self-leveling properties, but do not allow material to pool and build up along the edges.

- ❖ The notched squeegee will leave rows in the coating that need to be flattened out. Use a saturated, de-linted, 18" 3/8 nap roller to backroll the coating in one direction. Once complete, always backroll the coating perpendicular to the first roll to make the sure the coating is even in thickness. As the coating cures it will self-level and fill in minor dips and valleys.
- ❖ Based on the slab and ambient temperature, this coating will take anywhere from 10-14 hours to reach hard dry. At this point, the surface must be abrasively scuff sanded to provide an anchor for successive coatings. This can be achieved using 60-80 grit sandpaper on a floor buffer type machine or lightly grinding with 30-40 grit diamonds. The goal is to de-gloss the coating so that the next coat will stick to it. The sanded surface should be thoroughly vacuumed to remove dust and debris and then wiped down with MEK as a final cleaning step prior to re-coating.



## INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER

INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER IS MIXED AT 3A : 2B

FLOOR SIZE (SF)	COVERAGE RATE (SF/GAL) 18 MILS	VOLUME	VOLUME		VOLUME	
		AMOUNT NEEDED (GAL)	(3) PART A (OZ.)		(2) PART B (OZ.)	
50	90	0.56	43		28	
100	90	1.11	85		57	
150	90	1.67	128	1 GALLON	85	
200	90	2.22	171		114	
250	90	2.78	213		142	
300	90	3.33	256	2 GALLONS	171	
350	90	3.89	299		199	
400	90	4.44	341		228	
450	90	5.00	384	3 GALLONS	256	2 GALLONS
500	90	5.56	427		284	
550	90	6.11	469		313	
600	90	6.67	512	4 GALLONS	341	
650	90	7.22	555		370	
700	90	7.78	597		398	
750	90	8.33	640	5 GALLONS	427	
800	90	8.89	683		455	
850	90	9.44	725		484	
900	90	10.00	768	6 GALLONS	512	4 GALLONS
950	90	10.56	811		540	
1000	90	11.11	853		569	
1050	90	11.67	896	7 GALLONS	597	
1100	90	12.22	939		626	
1150	90	12.78	981		654	
1200	90	13.33	1024	8 GALLONS	683	
1250	90	13.89	1067		711	
1300	90	14.44	1109		740	
1350	90	15.00	1152	9 GALLONS	768	6 GALLONS
1400	90	15.56	1195		796	

**\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES**

THIS PRODUCT IS TO BE BATCH MIXED AND APPLIED WITH A 1/4" NOTCHED SQUEEGEE AND BACKROLL

INTÉGRITÉ POLYUREA COATINGS

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## INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER

### Product Description

Intégrité Coatings Moisture Stopping Primer is a two component, 100% solids, moisture vapor transmission (MVT) blocking and pH resistant epoxy primer used to remedy concrete floors with high moisture levels. Capable of holding back up to 25 lbs. of MVT, this primer has excellent adhesion to even the most moisture laden concrete slabs. Intégrité Coatings Moisture Stopping Primer also exhibits great self-leveling properties and is unaffected by high pH levels up to 14, making it the perfect solution on any concrete surface.

### PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to concrete.
- ❖ Long working time eases in the spread of the mixed material.
- ❖ Resistant to high alkalinity floors up to 14 pH.
- ❖ Holds back up to 25 lbs./1000 sf/ 24 hrs. as measured using anhydrous calcium chloride tests.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ Excellent self leveling properties increase hiding power over damaged substrates.
- ❖ Pure epoxy chemistry makes it resistant to deterioration from internal concrete conditions.
- ❖ Can be applied to "Green Concrete" as early as 7 days after placement.

### PRIMARY APPLICATIONS

- ❖ High build primer
- ❖ Self leveling coating
- ❖ Moisture stopping primer

### SUITABLE FOR USE UNDER

- ❖ Epoxies
- ❖ Urethanes
- ❖ Polyureas
- ❖ Ceramic tile
- ❖ Hardwood flooring
- ❖ VCT tile
- ❖ Linoleum
- ❖ Cementitious overlays
- ❖ Carpet

### TEMPERATURE

50°F - 100°F (10°C - 38°C)

Colder temperature applications should not be attempted with this material. Coating should only be applied when temperature is steady and/or falling. The concrete surface must be at least 5°F above the Dew Point temperature. Coating should only be applied when temperature is steady and/or falling. **DO NOT APPLY UNDER 50°F OR WHEN TEMPERATURE IS RISING. DO NOT APPLY IN DIRECT SUNLIGHT.**

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete Concrete Failure >450psi

### PACKAGING

Available CLEAR in 5 gallon kits (3A:2B)

### TYPICAL PROCESSING PROPERTIES

Pot Life	Empty container immediately after mixing.
Working Time	20-25 minutes
3:2 Ratio	Surface dry- 6-8 hours
Relativity Humidity-72°F-54%	Hard dry- 8-12 hours
VOC Content	Compliant in all 50 states and Canada

### RECOMMENDED COVERAGE

Over CSP-3 Shot Blast Concrete 80-100 sf/gal @ 16 mils DFT  
VOC compliant in all 50 states and Canada

### SURFACE PREPARATION

#### Old concrete

Sandblasting, shot blasting, diamond grinding with 20 grit or coarser, or water blasting is highly recommended to remove surface contaminants. **Acid etching is not an acceptable method of preparation.** Any oils or fats must be completely removed prior to product application. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should represent a minimum ICRI CSP 2-3 profile before coating can commence.

#### New Concrete

The concrete should be allowed to cure for a minimum of 14 days when using Intégrité Coatings Moisture Stopping Primer. Shot blasting is required to remove the surface laitance that appeared during the curing process. Sealers, Silicates, and failed coatings must be removed via mechanical abrasion. Chloride, moisture and pH levels should be checked prior to application. Concrete surface should represent a minimum ICRI CSP 2-3 profile before coating can commence.

#### Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. For floors with exceptionally high moisture levels, cracks should be repaired with a mix of Intégrité Coatings Moisture Stopping Primer and Cabosil applied using trowels or putty knives prior to coating. Expansion joints must be honored. Intégrité Coatings Moisture Stopping Primer should be applied down into horizontal saw-cut control joints and allowed to cure a minimum of 24 hours before they can be filled with a backer rod and compatible Polyurethane sealant.

## **PRIMER REQUIREMENTS**

Please consult your product supplier for job specific recommendations. Intégrité Coatings Moisture Stopping Primer is designed to be applied direct to concrete and under no circumstances should a separate primer be applied prior to the application of Intégrité Coatings Moisture Stopping Primer.

## **INSTALLATION RECOMMENDATIONS**

It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

## **APPLICATION INFORMATION**

Material and environment should be pre-conditioned to a minimum of 50°F (10°C) prior to use. If not mixing a full kit, thoroughly mix both the A and B side components using separate paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. This should be done prior to every use before combining the two components. This material is packaged in kits which allow for easy mixing by pouring the entire contents of the **Part B** container (2 gallons) into the short-filled **Part A** container (3 gallons) while spinning to create a vortex. If it must be mixed in smaller quantities, follow the mix ratio of 3A:2B to combine the two components in a calibrated mixing container. Blend the two components together with a paddle style mixer and drill for at least 1 minute. Recommended practice is to transfer the mixed material to another clean container and blend for an additional 1 minute prior to use. Never mix more material than can be placed and finished in 20-25 minutes.

### **Squeegee Application**

Intégrité Coatings Moisture Stopping Primer is to be applied using ¼" notched squeegees or trowels at a spread rate of 80-100 sg/gal.

**DO NOT APPLY THE MATERIAL THINNER THAN SPECIFIED OR LOSS OF PERFORMANCE WILL OCCUR.**

### **Roller**

Use only high quality, shed and solvent resistant, phenolic core, natural or synthetic fiber roller covers. 3/8" nap are recommended, thicker nap may cause bubbling of the coating. A spiked roller can be used to release any entrapped air in the coating if required.

### **Brush**

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

### **Thinner**

Intégrité Coatings Moisture Stopping Primer should **NOT** be thinned using any type of solvent. Use alternate coatings if a thinner material is required.

### **Clean Up**

Use ACETONE to clean tools, etc. before product cures.

## **COMPATIBLE COATINGS**

Intégrité Coatings Moisture Stopping Primer

**\* Intégrité Coatings Moisture Stopping Primer requires scuff sanding via 40-60 grit sandpaper to provide a profile for additional coatings after the 12 hour cure time has commenced. This is necessary for all consecutive coatings operations.**

## **SHELF LIFE AND STORAGE**

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 60-100° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## **REPAIRS AND MAINTENANCE**

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## **LEED CREDITS**

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## **CERTIFICATIONS**

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)

USDA and FDA certified food safe for incidental food contact.

## **SHIPPING INFORMATION**

Flash Point:	>93°C (>200°F)
Weight/Gallon:	10.2 ±1.0 lbs.
DOT HAZARD CLASS	8
DOT PACKAGING GROUP	II
DOT LABEL	Corrosive (Part B)
DOT SHIPPING NAME	Amine, Liquid, Corrosive
UN / NA NUMBER	2735 (Part B)

## **SAFETY PRECAUTIONS**

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## **WARRANTY**

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS MOISTURE STOPPING PRIMER™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a manner that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.



# INTÉGRITÉ COATINGS BASECOAT

**Intégrité Coatings Basecoat™** is a single component, 100% solids, aromatic Polyurea that has excellent adhesion properties to a variety of substrates. Due to its unique chemical make-up and manufacturing process, this coating exhibits great wetting properties while offering a virtually unlimited pot-life. Low odor and minimal VOC content allow for interior applications on projects such as retail environments, food and grocery stores, hospitals, kitchens and restaurants. The extended open times of the Intégrité Coatings Basecoat make it suitable for decorative aggregate broadcasting and results in a perfect broadcast every time, even on vertical surfaces. The inherent flexibility characteristics of polyurea allow the primer to expand and contract with the natural movement of the concrete, therefore reducing visible cracks and eliminating delamination concerns. The Intégrité Coatings Basecoat is customizable using **Intégrité Coatings Colour Shots** (14 oz.) to match any color required and will provide true opacity during thin mil applications. Ease of use and extreme durability make this coating the optimal choice for use on all projects, including Commercial, Industrial, and Residential applications.

## DETERMINE THE APPLICATION SYSTEM

The Intégrité Coatings Basecoat is a very versatile coating that can be used for creating a wide variety of floor finishes. Depending on what the intended final use of the floor is, the application techniques and coating thickness can change. Below are a few of the standard flooring options that will begin with the installation of the Intégrité Coatings Basecoat.

1. **SOLID COLOR FLOORING (STANDARD TAN OR GRAY)**
2. **DECORATIVE FULL BROADCAST CHIP SYSTEMS**
3. **DECORATIVE SINGLE BROADCAST QUARTZ SYSTEMS**
4. **DECORATIVE DOUBLE BROADCAST QUARTZ SYSTEMS**

**THE APPLICATION OF EACH TYPE OF SYSTEM IS VERY EASY TO COMPLETE, BUT THE DETAILS ARE WHAT WILL “MAKE OR BREAK” THE OVERALL APPEARANCE. FOLLOW THE TIPS BELOW TO EFFECTIVELY INSTALL THE INTÉGRITÉ COATINGS BASECOAT.**

- ❖ Moisture testing needs to be completed before the installation of any coating systems. Reference the **CONCRETE PREPARATION** section of this manual for guidelines and requirements.
- ❖ The floor preparation will be the same as for any other type of coating to include grinding using diamond tooling, edge grinding, crack repair, spall repair, thorough vacuuming, leaf blowing (when possible) and an overall thorough cleaning of the floor prior to coating. This is the most important step in achieving high quality finishes.
- ❖ This coating system is thin mil and will have minimal to zero “hiding power” – meaning any imperfections in the concrete will be exaggerated by the high gloss finish and uniform coloration. Heavily damaged floors will need to be prepared using **Intégrité Coatings Fortification Formula** to near perfect condition before applying the **Intégrité Coatings Basecoat** and subsequent coatings.
- ❖ Heavily damaged floors can be handled another way – installing a self-leveling layer of **Intégrité Coatings Moisture Stopping Primer** to the floor first to bring it back to a suitable substrate for coating. This may require extra preparation methods such as shot blasting or abrasive grinding to create a profile for adhesion. Contact your local Intégrité Coatings Representative for more information on these techniques. Always reference the appropriate installation pages for instructions on how to apply this coating.

## MIXING INSTRUCTIONS

- ❖ Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Basecoat**. Add the **ENTIRE** contents of the **BASECOAT STABILIZER** and use a drill with paddle style mixer to spin the material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**

- ❖ This pre-measured quantity of material is to be used in conjunction with an **Intégrité Coatings Tint Shot** (14 oz.) to create a “kit” of tinted material ready for use. This amount of mixed material will cover roughly **350-400 Square Feet** of diamond ground concrete. The coverage may vary based on concrete porosity and application technique.
- ❖ **DO NOT ADD THE INTÉGRITÉ COATINGS COLOUR SHOT TO THE POUCH OF INTÉGRITÉ COATINGS BASECOAT UNTIL THE APPLICATION IS ABOUT TO BEGIN.**
- ❖ Once combined, spin the material thoroughly for at least 1 minute using a drill and paddle style mixer. Blend until uniform in color throughout. Remove any cured product or contaminants before using the coating on the floor.

## **SOLID COLOR FLOORING (TAN OR GREY) / DECORATIVE FULL BROADCAST CHIP SYSTEMS (OPTIONS 1&2)**

To install a solid color or decorative full broadcast chip floor, always make sure to have the correct amounts of decorative chip available and ready to install before applying any coatings to the floor. This application will typically be a two-man installation where one installer will cut in the edges with a brush while the other roll applies the material on the floor. Depending on the size of the project, additional installers may be required to stay efficient and provide a uniform finish.

## **THIS COATING MUST BE APPLIED THIN AT 300-400 SF/GAL. MATERIAL WILL NOT CURE PROPERLY AND WILL OUTGAS IF BUILT UP TOO THICK.**

- ❖ Pour the color tinted **Intégrité Coatings Basecoat** into an 18” roller pan, retaining a small amount to pour into a “cut bucket” for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating will not have to be applied thick to gain true opacity.
  - ❖ **EDGING CAN ALSO BE DONE USING 4” OR 9” ROLLERS (THE FRAMES ONLY HAVE A SUPPORT ON ONE SIDE MAKING IT EASY TO RUN THEM ALONG A WALL AND COAT RIGHT UP TO THE EDGE) BY POURING A SMALL AMOUNT ON THE FLOOR, SOAKING IT UP WITH THE ROLLER AND APPLYING A THIN AND EVEN COAT ALONG THE PERIMETER.**
  - ❖ **IF USING A ROLLER TO CUT IN THE EDGES, ALWAYS REMEMBER TO APPLY TAPE TO THE WALLS AND ANY OTHER SURFACES NOT TO RECEIVE COATINGS. REMOVE THE TAPE PROMPTLY AFTER COATING.**
- ❖ **OPTIONAL** – The **Intégrité Coatings Basecoat** can also be poured on the floor in ribbons and spread using a flat squeegee to expedite the installation. This will typically be used on larger scale jobs but can also be helpful for smaller residential applications. Once a section of material has been spread on the floor, saturate a roller then roll and crossroll the material to lay it off.
- ❖ Fully saturate an 18” 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Work the coating until an opaque color is seen and it is uniform in thickness. Each dip of the roller should cover about a 4’ x 4’ area. Re-dip the roller and continue this process until a 4’ strip is completed across the floor. Repeat the process of rolling 4’ strips until the entire floor has been coated, always remembering to overlap the strips by at least 6”. At this point you will want to do a full length cross-roll in the opposite direction to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Basecoat** that makes this possible.
- ❖ Roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to limit “color flipping”.
- ❖ (OPTIONAL) Immediately broadcast decorative chips into the wet coating. Chip is broadcast out of a 5-gallon bucket by grabbing handfuls and simply tossing them up in the air. The higher the chip is thrown the better, as this will cause it to spread out and produce a more random broadcast. For a **Full Chip Floor** it is important to broadcast to the point of rejection to get the coverage required. The gloss of the coating underneath should be completely buried and the surface should look dry. Always check the floor to make sure all areas have been covered equally. Hand-pack the chip onto vertical surfaces, stairs, and curb walls to ensure full coverage.

- ❖ **IN MOST CASES YOU WILL HAVE UP TO 20 MINUTES FROM THE TIME THE INTÉGRITÉ COATINGS BASECOAT IS APPLIED TO THE FLOOR TO BROADCAST THE CHIP INTO IT. WAITING LONGER THAN THIS CAN CAUSE INSUFFICIENT CHIP COVERAGE AND INCONSISTENCIES IN THE FINISH.**
- ❖ Allow the coating to cure for at least 1-2 hours (based on temperature and humidity) before recovering the loose chips and scraping the floor. The solid color flooring option will require longer waiting times between coats. A color tinted Medici Basecoat application will finish the system once the basecoat has cured.
- ❖ **COLDER TEMPERATURES WILL SLOW THE CURE TIME, WHILE WARMER TEMPERATURES AND WILL SPEED THEM UP.**
- ❖ Test the coating for cure by pushing down on the chips with your thumb and rotating. If the chips move freely then the coating is not cured and should not be walked on to recover the chips. Wait until the coating no longer spins before moving forward with the cleanup procedure.
- ❖ Once the floor has cured, use a leaf blower to push all the loose chips into a corner for recovery. These chips are still good and can be re-used on future jobs. Best practice is to put them back in the plastic bag and box that they came in, always remembering to seal the plastic bag to avoid allowing moisture to contaminate the chip.
- ❖ The floor should then be scraped in two directions (East/West and North/South) to create the flattest floor possible. Applying minimal pressure, use a 14" steel floor scraper to knock off the high points of the chips and level the floor. Use a smaller putty knife along the edges and on vertical surfaces to complete the process.
- ❖ Use the leaf blower again to push all the chip scrapings into a corner for recovery. These chips are broken up and should **NOT BE** saved for future use.
- ❖ Thoroughly vacuum the floor or use the leaf blower again to remove any and all loose chips and debris from the floor.
- ❖ Reference the **Intégrité Coatings Topcoat** or **Intégrité Coatings Exterior Topcoat** section of the manual for guidelines and application instructions to finish the floor system.

## **SINGLE BROADCAST QUARTZ SYSTEMS (OPTION #2)**

To install a single broadcast quartz floor, always make sure to have the correct amounts of decorative quartz available and ready to install before applying any coatings to the floor. This application will typically be a two-man installation where one installer will cut in the edges with a brush while the other roll applies the material on the floor. Depending on the size of the project, additional installers may be required to stay efficient and provide a uniform finish. Also, preparation of the concrete has to be "on point" as the single broadcast quartz floor has minimal hiding power. Any and all concrete flaws will show through this system, so make sure to be thorough when filling cracks, spalls, and damaged areas. Take caution with the grinding equipment as gauges and swirl marks can also show through the finished floor.

**THIS COATING MUST BE APPLIED THIN AT 300-350 SF/GAL. MATERIAL WILL NOT CURE PROPERLY AND WILL OUTGAS IF BUILT UP TOO THICK, BUT WILL NOT HOLD THE QUARTZ PROPERLY IF APPLIED TOO THIN. MAKE SURE TO ACHIEVE THIS SPREAD RATE BY PHYSICALLY MARKING OFF HOW FAR EACH GALLON SHOULD BE SPREAD.**

- ❖ Pour the **Intégrité Coatings Basecoat** on the floor in an 8-10" ribbon and spread it around by pushing a flat squeegee. Apply light pressure to the blade so as to leave material behind – do not apply heavy pressure or there will be nothing left to back roll. Retain a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating will not have to be applied thick to gain true opacity.
- ❖ **EDGING CAN ALSO BE DONE USING 4" OR 9" ROLLERS (THE FRAMES ONLY HAVE A SUPPORT ON ONE SIDE MAKING IT EASY TO RUN THEM ALONG A WALL AND COAT RIGHT UP TO THE EDGE) BY POURING A SMALL AMOUNT ON THE FLOOR, SOAKING IT UP WITH THE ROLLER AND APPLYING A THIN AND EVEN COAT ALONG THE PERIMETER.**
- ❖ **IF USING A ROLLER TO CUT IN THE EDGES, ALWAYS REMEMBER TO APPLY TAPE TO THE WALLS AND ANY OTHER SURFACES NOT TO RECEIVE COATINGS. REMOVE THE TAPE PROMPTLY AFTER COATING.**

- ❖ Once the squeegee applicator has covered an area about 8-10 feet off the wall, the roller applicator can fully saturate an 18" 3/8 nap roller in a fresh pile of material poured on the floor and return to the start to backroll using an M and W pattern. Work the coating until an opaque color is seen and it is uniform in thickness. Each roll should cover roughly a 4' strip across the floor, and the coating should be worked over twice to ensure proper spread. Repeat the process of rolling 4' strips until the entire floor has been coated, always remembering to overlap the strips by at least 6". At this point you will want to do a full length cross-roll in the opposite direction to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Basecoat** that makes this possible.
- ❖ Roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to limit "color flipping".
- ❖ Immediately broadcast the decorative quartz into the wet coating. Unlike with a chip broadcast, quartz is broadcast by "shoveling" it out of a 5-gallon bucket and feathering it out to avoid creating piles. The higher the quartz is thrown the better, as this will cause it to spread out and produce a more random broadcast. For a single broadcast quartz floor it is important to broadcast to the point of rejection to get the coverage required. Always work your way backwards off the floor, and make sure there is enough quartz down to avoid having to walk in the recently broadcasted quartz to add more. The gloss of the coating underneath should be completely buried and the surface should look dry. Always check the floor to make sure all areas have been covered equally. The amount of quartz that needs to be broadcast is much more than the amount of chip used to do a full broadcast floor. Make sure to reference the spreadsheets for total quantities needed before starting.
- ❖ Allow the coating to cure for at least 1-2 hours (based on temperature and humidity) before recovering the loose quartz from the floor.
- ❖ **COLDER TEMPERATURES WILL SLOW THE CURE TIME, WHILE WARMER TEMPERATURES AND WILL SPEED THEM UP.**
- ❖ Test the coating for cure by pushing down on the quartz with your thumb and rotating. If the quartz moves freely then the coating is not cured and should not be walked on to recover the loose aggregate. Wait until the coating no longer spins before moving forward with the cleanup procedure.
- ❖ Once the floor has cured, use stiff bristled brooms to push the loose quartz into piles for recovery. This is best done with a "bouncing of the broom" technique that will recover much more than just pushing the broom normally. This quartz is still good and can be re-used on future jobs. Best practice is to put it back in the paper bag that it came in and seal the top of the bag by rolling it over and using duct tape to secure it down. Do not leave bags open for extended periods of time as they can retain moisture and affect the coating's performance.
- ❖ Thoroughly vacuum the floor or use the leaf blower again to remove any and all loose quartz and debris from the floor.
- ❖ Reference the **Intégrité Coatings Exterior Topcoat** section of the manual for guidelines and application instructions to finish the floor system.

### **DOUBLE BROADCAST QUARTZ SYSTEMS (OPTION #3)**

To install a double broadcast quartz floor, follow the installation instructions above to broadcast the first layer of quartz, allow to cure, recover and clean the floor to prepare it for the next coat of resin to be applied. The coating used as this "intermediate coat" will be the **Intégrité Coatings Build Coat**, a two component polyurea that will be applied clear and have the ability to be built up thick enough to act as the intermediate coat in this system.

- ❖ Reference the **Intégrité Coatings Build Coat** section of the manual for guidelines and application instructions for the "intermediate coat" and additional broadcast of quartz.

**UNDER NO CIRCUMSTANCES CAN THE INTÉGRITÉ COATINGS BUILD COAT BE REPLACED WITH THE INTÉGRITÉ COATINGS BASECOAT OR INTÉGRITÉ COATINGS TOPCOAT FOR THIS APPLICATION.**



## INTÉGRITÉ COATINGS BASECOAT

PRODUCT RE-COAT WINDOWS BASED ON TEMPERATURE AND HUMIDITY

		RELATIVE HUMIDITY (%)							
		30	40	50	60	70	80	90	100
TEMPERATURE (DEGREES F)	40	12	11	10.5	10	9	8.5	8	7
	50	11	10.5	10	9	8.5	8	7	6
	60	10.5	10	9	8.5	8	7	6	5.5
	70	10	9	8.5	8	7	6	5.5	5
	80	9	8.5	8	7	6	5.5	5	4.5
	90	8.5	8	7	6	5.5	5	4.5	4
	100	8	7	6	5.5	5	4.5	4	3.5
	110	7	6	5.5	5	4.5	4	3.5	3

THE ABOVE TIME FRAMES ARE BASED ON TESTING IN CONTROLLED CONDITIONS. ACTUAL RE-COAT TIMES MAY VARY.

THE TIMES LISTED ABOVE REFLECT THE SUGGESTED MAXIMUM RE-COAT WINDOW IN HOURS.  
INTÉGRITÉ COATINGS DOES NOT SUGGEST INSTALLING THE INTÉGRITÉ COATINGS BASECOAT UNDER 40 DEG. F.

THIS WOULD BE THE TIME FROM THE START OF THE APPLICATION OF THE INTÉGRITÉ COATINGS BASECOAT TO THE LATEST POINT THAT ADDITIONAL COATINGS COULD BE APPLIED WITHOUT SANDING THE FLOOR TO CREATE A PROFILE. TO ACHIEVE PROPER INTER-COAT ADHESION, THE TIMES LISTED ABOVE SHOULD BE FOLLOWED AND NOT EXCEEDED. FAILURE TO APPLY CONSECUTIVE COATS WITHIN THE TIME FRAMES LISTED ABOVE CAN RESULT IN DELAMINATION OF SUBSEQUENT COATINGS.

### EXAMPLE:

8:00 AM | INSTALLER BEGINS THE INSTALLATION OF THE INTÉGRITÉ COATINGS BASECOAT  
9:00 AM | APPLICATION OF THE INTÉGRITÉ COATINGS BASECOAT IS COMPLETE

TEMPERATURE : 70 DEGREES F

RELATIVE HUMIDITY : 70%

THE BASECOAT SHOULD BE TACKED OVER WITHIN 2-3 HOURS

BASED ON THE CHART ABOVE, THE INSTALLER HAS **UP TO 7 HOURS** TO APPLY ADDITIONAL COATS. THE INSTALLATION OF THE INTÉGRITÉ COATINGS BASECOAT STARTED AT **8:00 AM**, SO THE NEXT COAT NEEDS TO BE INSTALLED NO LATER THAN **3:00 PM**.

WAITING LONGER THAN THIS WILL REQUIRE SANDING OF THE CURED BASECOAT TO PROVIDE AN ANCHOR FOR THE TOPCOAT.



## INTÉGRITÉ COATINGS BASECOAT

### Product Description

Intégrité Coatings Basecoat™ is a single component, 100% solids, aromatic Polyurea that has excellent adhesion properties to a variety of substrates. Due to its unique chemical make-up and manufacturing process, this coating exhibits great wetting properties while offering a virtually unlimited pot-life. Low odor and minimal VOC content make it a great choice for both interior and exterior applications.

### PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ Unlimited pot life increases the workability of the coating, providing consistent aggregate broadcasts.
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ 100% solids formulation.
- ❖ Versatile primer for use on both horizontal and vertical applications.
- ❖ Exhibits fast return-to-service and cure times.
- ❖ Incredible bond to prepared metals, concrete, and fiberglass.
- ❖ Maintains flexibility even in cold temperatures.

### PRIMARY APPLICATIONS

- ❖ Large warehouse facilities
- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Residential garages and basements
- ❖ Marine applications

### TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 55°F - 90°F (13°C - 32°C). Extreme cold applications may slow the cure time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete	concrete failure	>500psi
Steel	shear failure	>2000psi
Wood-no primer	wood failure/shear	>400psi

### PACKAGING

Product is sold CLEAR in 1 gallon pouches (114 oz. actual)

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,200
Compressive Strength (psi Mpa)	ASTM D695	11,500
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	740
Hardness, Shore D	ASTM D2240	78
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
<small>*Liters sand/ 1 dry mil</small>		
Abrasion Resistance	ASTM D4060	
CS17-Wheel (1,000 gm Load)		10 mg Loss / 500 cycles
Viscosity at 77°F (cps)		425

### TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relative Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-3 hours
	Recoat Maximum - 12 hours

Coverage: 1,600 square feet, per gallon, per mil.

#### Recommended Coverages

Primer (Ground Concrete)	300-400 sf/gal	@4.6 mils DFT
Primer (Acid Wash Concrete)	400-500 sf/gal	@3.6 mils DFT
Primer (Metal)	400-700 sf/gal	@2.9 mils DFT

VOC compliant in all 50 states and Canada

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Basecoat is not recommended as a high build primer on wood substrates.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Basecoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Basecoat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Add the **ENTIRE CONTENTS** of the **BASECOAT STABILIZER** to the pouch and thoroughly mix the material using a paddle mixer and drill for a minimum of 1 minute to place the solids content evenly in suspension. Add (1) 14 oz. Colour Shot to the pouch and mix for an additional 1 minute or until a uniform color is achieved. (The volume of the Colour Shot and the tint-to-coating ratio have been pre-measured for color accuracy and opacity – make sure to add all of the material in the Colour Shot to the 1 gallon pouch of Intégrité Coatings Basecoat.) Roll or squeegee apply the material in a thin and even layer following the instructions in the installation manual. Seal all containers immediately after pouring out desired quantities. Mix and pour out only what is needed. At the end of the day apply a solvent “float” of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to 3/8" nap are acceptable, thicker nap may cause bubbling of the coating.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Basecoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 60-100° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)

USDA and FDA certified food safe for incidental food contact.

## SHIPPING INFORMATION

Flash Point:	110 °C (230 °F)
Weight/Gallon:	9.9 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	1263

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS BASECOAT™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## Chemical Resistance

Acetic Acid 100% RC  
 Acetone R  
 Ammonium Hydroxide 50% RC  
 Benzene RC  
 Brake Fluid RC  
 Brine saturated H<sub>2</sub>O R  
 Chlorinated H<sub>2</sub>O R  
 Clorox(10%) H<sub>2</sub>O R  
 Diesel fuel RC  
 Gasoline R  
 Gasoline/5% MTBE R  
 Gasoline/5% Methanol R  
 Hydrochloric Acid 20% R  
 Hydrofluoric Acid 10% RC  
 Hydraulic fluid (oil) RC  
 Isopropyl Alcohol R  
 Jet Fuel (JP-4) R  
 Lactic Acid RC  
 MEK RC

Methanol R  
 Methylene Chloride C  
 Mineral Spirits R  
 Motor Oil R  
 MTBE C  
 Muriatic Acid 10% R  
 NaCl/H<sub>2</sub>O 10% R  
 Nitric Acid 20% RC  
 Phosphoric Acid 10% RC  
 Phosphoric Acid 50% NR  
 Potassium Hydroxide 10% R  
 Potassium Hydroxide 20% R, Dis  
 Propylene Carbonate RC  
 Skydrol RC  
 Sodium Hydroxide 25% R  
 Sodium Hydroxide 50% R, Dis  
 Sodium Hypochlorite 10% R  
 Sodium Bicarbonate R  
 Stearic Acid R

Sugar/H<sub>2</sub>O R  
 Sulfuric Acid 10% R  
 Sulfuric Acid >50% R  
 Toluene R  
 1, 1,1-Trichlorethane C  
 Trisodium Phosphate R  
 Vinegar/H<sub>2</sub>O 5% R  
 H<sub>2</sub>O 14 days at 82° C R  
 Xylene R

### Chemical Resistance Key

R=recommended/little or no visible damage  
 RC=recommended conditional/some effect, swelling or discoloration  
 C=Conditional/Cracking-wash within one hour of spillage to avoid affects  
 NR=Not recommended  
 Dis=Discolorative

## INTÉGRITÉ COATINGS MEDICI BASECOAT

The **Intégrité Coatings Medici Basecoat** is a single component Aliphatic Polyurea coating used to create decorative finishes on concrete floors. Thanks to its revolutionary chemical makeup, this product has a virtually unlimited pot-life allowing the installer adequate time to create one-of-a-kind textures and finishes. With 100% UV-Stability, the **Intégrité Coatings Medici Basecoat** is resistant to the effects of sunlight without any yellowing, chalking, or fading over time. Combine that with its high chemical resistance, low odor, ease of use, and extreme abrasion resistance and it is no wonder why it is hottest coating system available today. No other coatings manufacturers have anything like this – in the past the only way to get this look was to use acid stains, sprays, and dyes that are time consuming to install and don't hold up to heavy traffic. The **Intégrité Coatings Medici Basecoat** will be the optimal choice for garages, basement floors, patios, offices, pool surrounds, and any other location needing that old world, mottled, natural finish and texture.

### DETERMINE THE APPLICATION SYSTEM

There are a number of different finishes available with the **Intégrité Coatings Medici Basecoat**. Each one will have specific installation instructions that should be followed to produce reliable and re-creatable results. One thing to remember is that the finishes can be combined to create different textures based on the customer's needs. Below is a list of the standard application systems that are in use right now. Before installing any of these floors for a paying customer it is highly recommended to make your own samples and practice the application first. You may come up with a new kind of look that will set you apart from any other contractors. You may design your own color combinations and techniques.

1. **SOLID COLOR FLOOR**
2. **PARTIAL BROADCAST CHIP FLOOR**
3. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER**
4. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2 ACCENT (SAME) COLORS using SPONGE ROLLERS**
5. **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2-4 ACCENT (DIFFERENT) COLORS using SPONGE ROLLERS**
  - **THE PARTIAL BROADCAST AND TWO COLOR BASECOAT FLOORS ABOVE MUST BE FINISHED WITH A HIGH GLOSS (INTÉGRITÉ COATINGS TOPCOAT) OR MATTE FINISH (INTÉGRITÉ COATINGS MATTE TOPCOAT) TOPCOAT - REFERENCE THE INSTALLATION PAGES FOR INSTRUCTIONS ON APPLICATION OF TOPCOATS**

**THE APPLICATION OF EACH TYPE OF SYSTEM IS VERY EASY TO COMPLETE, BUT THE DETAILS ARE WHAT WILL "MAKE OR BREAK" THE OVERALL APPEARANCE. FOLLOW THE TIPS BELOW TO EFFECTIVELY INSTALL EACH ONE OF THE INTÉGRITÉ COATINGS MEDICI™ SYSTEMS:**

- ❖ Moisture testing needs to be completed before the installation of any coating systems. Reference the **CONCRETE PREPARATION** section of this manual for guidelines on Residential vs. Commercial testing requirements.
- ❖ The floor preparation will be the same as for any other type of coating to include grinding using diamond tooling, edge grinding, crack repair, spall repair, thorough vacuuming, leaf blowing (when possible) and an overall thorough cleaning of the floor prior to coating.
- ❖ Heavily damaged floors will not be considered good candidates for Intégrité Coatings Medici Systems. This coating system is thin mil and will have minimal to zero "hiding power" – meaning any imperfections in the concrete will be exaggerated by the high gloss finish and uniform coloration. Floors with a lot of cracking can actually look good after coating (old-world look) but this needs to be discussed with the customer prior to installation and always **SIGNED OFF ON** before applying anything.
- ❖ Heavily damaged floors can be handled another way – installing a self leveling layer of **Intégrité Coatings Moisture Stopping Primer** to the floor first to bring it back to a suitable substrate for coating. This may require extra preparation methods such as shot blasting or abrasive grinding to create a profile for adhesion. Contact an Intégrité Coatings Representative for more information on these techniques. Always reference the appropriate installation pages for instructions on how to apply the coating.

## MIXING INSTRUCTIONS

Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Medici Basecoat**. Add the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MEDICI DUST** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 2 minutes prior to use. Then add **TWO Intégrité Coatings Colour Shots (5 oz. each)** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.

- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**

## (OPTIONAL) MIXING INSTRUCTIONS FOR SMALL JOBS (UNDER 200 SF) - TWO COLOR BASECOAT ONLY

- ❖ Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Medici Basecoat**. Add the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MEDICI DUST** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 2 minutes prior to use.
- ❖ Using (2) 2.5 qt. calibrated mixing containers, divide the material in the pouch in half by pouring 48 oz. into each. With the **TWO DIFFERENT** colors chosen, add **ONE Intégrité Coatings Colour Shot (5 oz.)** to each calibrated mixing container. Use a drill with paddle style mixer or a paint stick to mix the material in each bucket for at least 1 minute prior to use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**

## SOLID COLOR FLOORING OPTION #1)

With the wide array of colors available through Intégrité Coatings, **Solid Color Flooring** using the **Intégrité Coatings Medici Basecoat** can be the right fit for any potential customer. While not as decorative as a two or three color option, these floors will perform the same and produce vibrantly colored, uniform, opaque, durable and UV-stable finishes. These will be the easiest systems to apply by far, requiring less labor time on site and minimal artistic ability. Based on the color chosen (lighter colors will require more coats) and the porosity of the concrete it may take up to three color coats to gain 100% opacity and uniformity. Avoid applying thicker coats to gain the opacity required as this can lead to curing problems. For standard **TAN** or **GREY** solid color floors, this coating will be applied as the color tinted topcoat over the **Intégrité Coatings Basecoat** to complete the system.

## THIS COATING MUST BE APPLIED THIN AT 375-425 SF/PAIL - BASED ON THE SUBSTRATE. MATERIAL WILL OUTGAS IF BUILT UP TOO THICK.

- ❖ Pour the color tinted **Intégrité Coatings Medici Basecoat** into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating very thin so that it will cure out properly.
- ❖ **EDGING CAN ALSO BE DONE USING 4" OR 9" ROLLERS (THE FRAMES ONLY HAVE A SUPPORT ON ONE SIDE MAKING IT EASY TO RUN THEM ALONG A WALL AND COAT RIGHT UP TO THE EDGE) BY POURING A SMALL AMOUNT ON THE FLOOR, SOAKING IT UP WITH THE ROLLER AND APPLYING A THIN AND EVEN COAT ALONG THE PERIMETER.**
- ❖ **IF USING A ROLLER TO CUT IN THE EDGES, ALWAYS REMEMBER TO APPLY TAPE TO THE WALLS AND ANY OTHER SURFACES NOT TO RECEIVE COATINGS. REMOVE THE TAPE PROMPTLY AFTER COATING.**
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is opaque in color and even in appearance. The roller should be kept on the ground during the cross rolling to limit "color flipping". Continue this process of rolling a 4' strip then cross rolling until the floor is complete. At this point you will want to do full length rolls to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Medici Basecoat** that makes this possible. Roll the floor from end to end in one direction until a mostly uniform finish is achieved. The first coat may not be completely opaque and may not cover the



concrete uniformly. This is to be expected as the concrete will absorb the coating differently in areas of high porosity. The second coat will look a lot better.

- ❖ **CROSS ROLLING OF THE COATING SHOULD BE DONE WITHIN 30 MINUTES OF THE INITIAL APPLICATION. THIS MAY REQUIRE WORKING IN SECTIONS AND/OR HAVING ADDITIONAL INSTALLERS ON SITE FOR LARGER PROJECTS.**
- ❖ Allow the coating to cure **for at least 2 hours** before applying a second color tinted coat of the **Intégrité Coatings Medici Basecoat**. This re-coat time will of course be dependent on temperature and humidity, but you must allow the first coat to tack over before building another layer on top of it or it may outgas.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**
- ❖ Apply the second (and third if necessary) coats the same way as the first coat, remembering that the coating will go farther as the porosity of the slab has been filled in. It will be very important during this application that the shoe spikes worn are clean, sharp, and secured tightly to the installer's feet. If heavy traction is required for the finish, clear dry silica sand or aluminum oxide (preferred) can be broadcast and backrolled into the second wet basecoat.
- ❖ Pertaining to traction, the texture (anti-slip additive) that is represented on a sample board also needs to be re-created on the floor. Keep track of how much was added on a per square foot basis and only add that amount to re-create the finish on the floor.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependent on temperature) and vehicle traffic in 24 hours.
- ❖ **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND GLASS-HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**
- ❖ **OPTION** – For areas of heavy traffic or for a desired matte finish, you can follow the installation instructions for the **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat** to apply a clear coat over the two color coats of **Intégrité Coatings Medici Basecoat**. This clear coat must be installed following the product re-coat times listed in the manual, and can typically be installed once the second color coat has tacked over.

#### **PARTIAL BROADCAST CHIP FLOOR (OPTION #2)**

With the wide array of colors available through RockSolid Floors, **Partial Broadcast Chip Floors** using the **Intégrité Coatings Medici Basecoat** and decorative chips can be the right fit for any potential customer. While not as decorative as a Full Broadcast Chip Floor, they will perform the same and produce vibrantly colored, uniform, opaque, durable and UV-stable finishes with just a hint of additional colors to help hide dust and debris. The application of the **Intégrité Coatings Medici Basecoat** for a Partial Broadcast Chip Floor will be similar to doing a solid color floor except the coating will be applied slightly thicker to gain true opacity in a single coat. Make sure to follow the guidelines below to complete the installation properly.

**THIS COATING MUST BE APPLIED THIN AT 350-400 SF/PAIL - BASED ON THE SUBSTRATE. APPLYING THE MATERIAL THINNER (STRETCHING IT FARTHER) CAN RESULT IN A SEMI-TRANSLUCENT BASECOAT AND INCONSISTENT FINISHES.**

- ❖ Pour the color tinted **Intégrité Coatings Medici Basecoat** into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating very thin so that it will cure out properly.
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall

and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is opaque in color and even in appearance. The roller should be kept on the ground during the cross rolling to limit "color flipping". Continue this process of rolling a 4' strip then cross rolling until the floor is complete. At this point you will want to do full length rolls to lay the whole floor off. It is the extended pot-life of the **Intégrité Coatings Medici Basecoat** that makes this possible. Roll the floor from end to end in one direction until a mostly uniform finish is achieved. The coating should be completely opaque and uniform in color.

- ❖ **CROSS ROLLING OF THE COATING SHOULD BE DONE WITHIN 30 MINUTES OF THE INITIAL APPLICATION. THIS MAY REQUIRE WORKING IN SECTIONS AND/OR HAVING ADDITIONAL INSTALLERS ON SITE FOR LARGER PROJECTS.**
- ❖ Walk back out on the wet basecoat and broadcast the decorative chips in a random pattern across the floor. This is best done by grabbing small "pinches" of chips between your thumb and index finger and throwing them up high in the air. This will allow them to separate and not clump up on the floor. Be careful not to drop any piles of chip on the floor – if you do, you now have to make the entire floor look consistent with that area. Chip can be broadcast in heavy partial coverage or light coverage, it is all up the customer's preference. Depending on the temperature you will have up to 1 hour to broadcast the chips.
- ❖ Once the **Intégrité Coatings Medici Basecoat** has cured, follow the installation instructions for the **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat** to apply a clear coat over the partial broadcast floor.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**

#### **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER (OPTION #3)**

Using the proprietary **Intégrité Dualie™ Roller** allows the installer to apply two colors simultaneously to create an inter-woven color blend that mimics the appearance of acid stains and other penetrating dyes. This technique gives the concrete a distinct mottled look similar to natural stone or aged surfaces. The most important aspects of completing installations this way are application technique and color choices. Intégrité Coatings has already developed a number of corresponding colors that produce industry standard (popular) finishes. We encourage installers to make samples and design their own blends that will set them apart from the competition. See the **Intégrité Coatings Medici Basecoat** color chart for available colors.

- ❖ Before use, the **Intégrité Dualie™ Roller** should be de-linted using duct tape. Do not wrap the tape around the roller as normal, but rather wrap the tape around your hand with the sticky side facing out and lightly dab into the roller and/or sweep the surface to remove any loose hairs. This is a thick nap roller of high quality but should always be cleaned using this method before use.
- ❖ It will always be beneficial to use multiple installers to speed up the application time, but they should all be trained and have some experience before working on a paying job. For this technique you will want to have a plan of attack before starting to roll. As each installer will roll slightly differently from the next, in order to avoid patterns it is important to move around on the floor as opposed to staying in a particular area. That way any form of pattern will be lost in the random appearance of the coating and the whole floor will look like it was done by a single installer.
- ❖ **FAILURE TO APPLY THIS WAY CAN RESULT IN UNHAPPY CUSTOMERS AND POOR FINISHES.**
- ❖ Each installer will need to be on spike shoes during the application process as it is vital to move around and stand in the wet coating to avoid creating patterns. Make sure that all the spike shoes have been cleaned off and are as sharp as possible. This floor coating can tend to get slippery as it starts to cure and dull spikes will lead to slipping and scarring of the coating.

- ❖ Pour the two individual batches of color tinted **Intégrité Coatings Medici Basecoat** into separate sides of the dual color roller tray. Add just enough material to fill each chamber until the colors are almost in contact with each other. You will need to add more during the installation as the coating gets used up.
- ❖ Lightly saturate the Intégrité Dualie™ Roller with the two colored materials in the roller pan. Do not push down on the roller as this will cause it to thicken up and reduce the texture that can be achieved. Get just enough material on the roller to fully color each side.
- ❖ The first stroke of the roller should be a large (3' x 3') M and W pattern to spread the material out. There should be little to no pressure applied to the roller during this step. Once the M and W pattern has been applied, immediately rotate 90 degrees and roll in the opposite direction of the first roll. Continue to basically “walk in circles” while spreading the material lightly with the roller. For each dip of the roller, you should be able to cover about 25 square feet (5' x 5' area). This will keep the application rates on target to apply the material properly.
- ❖ **IT WILL BE THE CHOICE OF THE INSTALLER WHETHER TO DO THE EDGES FIRST AND THEN ROLL THE MAIN PART OF THE FLOOR OR VICE VERSA. INTÉGRITÉ HAS HAD THE BEST LUCK AND QUALITY FINISHES COMPLETING THE EDGING DETAIL BEFORE OR DURING ROLLING OUT THE MAIN FLOOR. IT SEEMS EASIER TO BLEND THE EDGING AND CREATE A SEAMLESS FINISH THAT WAY.**
- ❖ **BE CAREFUL NOT TO “OVER ROLL” THE COATING AS IT WILL CAUSE UNWANTED BLURRING OF THE TWO COLORS. THE GOAL IS TO LEAVE THE FLOOR TOTALLY COVERED (NO CONCRETE SHOWING THROUGH) BUT WITH A TWO-TONE FINISH.**
- ❖ Once a 5' x 5' section has been applied, re-saturate the roller and complete another section. You will want to start away from the first patch that was coated and work towards it so that the coating does not get built up to a thickness beyond the specification.
- ❖ Continue this process until the entire area has been coated, adding more material to the pan when necessary. If coating a large square footage that takes over an hour to apply the coating, Intégrité Coatings suggests changing out the roller with a new so that it does not stiffen up and change the texture of the floor. For projects this size an increase in the amount of applicators can really help.
- ❖ Once the basecoat application using the Intégrité Dualie™ Roller is complete, allow the floor to dry for at least 2 hours before applying the protective clear **Intégrité Coatings Topcoat** or **Intégrité Coatings Matte Topcoat**. Again, always make sample boards before attempting to install a floor like this for a customer. Contact an Intégrité Coatings Representative for suggestions on color combinations or to purchase sample boards to show to customers.
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION AND DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**

#### **TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2 ACCENT (SAME) COLORS using SPONGE ROLLERS (OPTION #4)**

This option can be done to add depth to the **Two Color Basecoat** system without “going too far”. Adding subtle highlights using the same colors as the original basecoat application can give the floor a richer look and feel without straying too far from the original color combination. These highlights will be added using a sponge roller and can be applied as light or as heavy and the project requires. Follow the instructions below to install and texture the floor as needed. Apply the clear topcoat once the basecoat and accent colors have tacked over. Keep in mind the re-coat window and finish the floor completely. This technique is simple to do, but the key to remember is minimalism.

**YOU CAN ALWAYS ADD MORE BUT YOU CAN'T TAKE IT OFF!! KEEP THE PRESSURE ON THE ROLLER LIGHT ALMOST LIKE “PULLING UP” ON IT**

- ❖ Immediately after the application of the two-color basecoat is complete (OPTION #3), use a sponge roller on a 9” frame to lightly add accent colors to the floor in a random pattern. This is best done by lightly coating the roller with the selected color out of a 9” roller pan. Then, on a sheet of scrap plywood or cardboard you will want to empty out the

roller so that it does not apply the coating too heavily. This will become clearly obvious when you roll on the scrap piece. If applied too heavy, the coating could be cleaned off immediately with a solvent (MEK) but it is best to avoid having to do this as it could cause smearing, discoloration, and takes time to complete. Be careful on your shoe spikes so as not to scratch the coating already in place.

- ❖ When applying on the floor, use minimal pressure to add the color to the surface. It is almost like “picking up on the roller.”
- ❖ **AVOID USING LONG STROKES OF THE ROLLER BUT RATHER SHORT, ABRUPT STROKES IN DIFFERENT DIRECTIONS. LONG STROKES WILL LEAVE ROLLER MARKS IN A DISTINCT PATTERN AND THIS WILL RUIN THE FLOOR. DO NOT PUSH DOWN ON THE ROLLER AS THIS WILL CAUSE MATERIAL TO BE SQUEEZED OUT AND APPLIED TOO HEAVILY.**
- ❖ **IF MORE THAN ONE INSTALLER IS APPLYING THE ACCENT COLORS IT IS SUGGESTED TO CHANGE POSITIONS OFTEN TO AVOID CREATING DIFFERING TEXTURES. BASICALLY THE INSTALLERS SHOULD FLIP/FLOP AROUND EACH OTHER AND COME BACK TO AREAS THAT WERE MISSED AS OPPOSED TO WORKING BACKWARDS – HARD TO KEEP UNIFORM RANDOMNESS THIS WAY**
- ❖ Once the sponge rolling is complete, allow the floor to dry for at least 2 hours before applying the protective clear topcoat as mentioned above in Option #3. Again, always make sample boards before attempting to install a floor like this for a customer.

**TWO COLOR BASECOAT using the INTÉGRITÉ DUALIE™ ROLLER and 2-4 ACCENT (DIFFERENT) COLORS using SPONGE ROLLERS (OPTION #5)**

This option will be applied the same way as Option #4 but with different, precisely chosen accent colors. It is very important to choose the right color combination and make multiple sample boards to get the technique down. Also, choosing colors that are in the same “family” such as light and dark browns or yellows and golds will make the installation easier to accomplish. This is the most difficult type of **Intégrité Coatings Medici Basecoat** to install correctly and achieve the proposed finish, so it is not suggested for new installers of the coating. Always practice and play around with color combinations before completing work for a paying customer.



## INTÉGRITÉ COATINGS MEDICI BASECOAT

PRODUCT RE-COAT WINDOWS BASED ON TEMPERATURE AND HUMIDITY

		RELATIVE HUMIDITY (%)							
		30	40	50	60	70	80	90	100
TEMPERATURE (DEGREES F)	40	16	14	12	10	9.5	9	8.5	8
	50	15	13	11	9.5	9	8	7.5	7
	60	14	12	10.5	9	8.5	7.5	7	6.5
	70	13	11.5	10	8.5	8	7	6.5	6
	80	12	11	9.5	8	7	6.5	6	5.5
	90	11	10.5	9	7	6.5	6	5.5	5
	100	10.5	10	8	6.5	6	5.5	5	4.5
	110	10	9	7	6	5.5	5	4.5	4

THE ABOVE TIME FRAMES ARE BASED ON TESTING IN CONTROLLED CONDITIONS. ACTUAL RE-COAT TIMES MAY VARY.

THE TIMES LISTED ABOVE REFLECT THE SUGGESTED MAXIMUM RE-COAT WINDOW IN HOURS. INTÉGRITÉ COATINGS DOES NOT SUGGEST INSTALLING THE INTÉGRITÉ COATINGS MEDICI BASECOAT UNDER 40 DEG. F.

THIS IS THE TIME FROM THE START OF THE APPLICATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT TO THE LATEST POINT THAT ADDITIONAL COATINGS COULD BE APPLIED WITHOUT SANDING THE FLOOR TO CREATE A PROFILE. TO ACHIEVE PROPER INTER-COAT ADHESION, THE TIMES LISTED ABOVE SHOULD BE FOLLOWED AND NOT EXCEEDED. FAILURE TO APPLY CONSECUTIVE COATS WITHIN THE TIME FRAMES LISTED ABOVE CAN RESULT IN DELAMINATION OF SUBSEQUENT COATINGS.

### EXAMPLE:

8:00 AM | INSTALLER BEGINS THE INSTALLATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT  
9:00 AM | APPLICATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT IS COMPLETE

TEMPERATURE : 70 DEGREES F

RELATIVE HUMIDITY : 70%

THE BASECOAT SHOULD BE TACKED OVER WITHIN 2-3 HOURS

BASED ON THE CHART ABOVE, THE INSTALLER HAS **UP TO 8 HOURS** TO APPLY ADDITIONAL COATS. THE INSTALLATION OF THE INTÉGRITÉ COATINGS MEDICI BASECOAT STARTED AT **8:00 AM**, SO THE NEXT COAT NEEDS TO BE INSTALLED NO LATER THAN **4:00 PM**.

WAITING LONGER THAN THIS WILL REQUIRE SANDING OF THE CURED BASECOAT TO PROVIDE AN ANCHOR FOR THE TOPCOAT.



## INTÉGRITÉ COATINGS MEDICI BASECOAT

### Product Description

Intégrité Coatings Medici Basecoat™ is a single component, 90% solids, VOC Compliant, Aliphatic Polyurea that was developed for use as a UV-stable basecoat and/or topcoat in our decorative, chemical resistant Medici flooring systems. This coating provides durability and beauty in a wide range of applications. The Intégrité Coatings Medici Basecoat has excellent resistance to UV rays, abrasion, and many of today's harshest chemicals.

### PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Unlimited pot life increases the workability of the coating, providing consistent aggregate broadcasts and uniform topcoat applications.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ Coating displays excellent chemical and abrasion resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ 100% UV-Stable Aliphatic Chemistry
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ Extended cure time delivers great self-leveling properties and glass-smooth finishes.

### PRIMARY APPLICATIONS

- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Wastewater treatment applications
- ❖ Bar, table and countertop sealer

### TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 65°F - 80°F (18°C - 27°C). Extreme cold applications may slow the cure time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>500psi
Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

### PACKAGING

Product is sold CLEAR in 1 gallon pouches (96 oz. actual)

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,500
Compressive Strength (psi Mpa)	ASTM D695	12,000
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	800
Hardness, Shore D	ASTM D2240	80
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
*Liters sand/ 1 dry mil		
Abrasion Resistance	ASTM D4060	
CS17-Wheel (1,000 gm Load)	12 mg Loss / 500 cycles	
Gloss	ASTMD-523	91+
Permeability	.038 WVT	

### TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relativity Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-4 hours
	Recoat Maximum - 12 hours

### Recommended Coverages

Basecoat (Ground Concrete)	400-500 sf/gal	@3.2 mils DFT
Basecoat (Acid Wash Concrete)	450-550 sf/gal	@2.9 mils DFT
VOC compliant in all 50 states and Canada		

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.



## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Medici Basecoat is not recommended as a high build primer on wood substrates.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Medici Basecoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Medici Basecoat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Thoroughly mix the single component material using a drill and paddle style mixer for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use. For each 1 gallon pouch, add two (2) Intégrité Coatings Colour Shots (5 oz. each), the **ENTIRE CONTENTS** of the **MEDICI DUST**, and the **ENTIRE CONTENTS** of the **MEDICI BASECOAT STABILIZER**. Thoroughly mix together for a minimum of 1 minute until a uniform color is achieved. Pour the material into a standard roller pan, Dualie roller pan, or directly on the floor to roll out. Follow the instructions in the installation manual for the different systems. Any unused material may be left in the sealed pouch for future use. **DO NOT POUR UNUSED MATERIAL BACK INTO THE ORIGINAL SHIPPING CONTAINER AS IT COULD CONTAMINATE THE ENTIRE BATCH.** Seal all pouches immediately after pouring out desired quantities. It is important to limit the time the pouch is open. Mix and pour out only what is needed. At the end of the day apply a solvent "float" of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. 3/8 nap and the Medici Dualie roller are the most common rollers used.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Medici Basecoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)  
USDA and FDA certified food safe for incidental food contact.

## SHIPPING INFORMATION

Flash Point:	47°C (117°F)
Weight/Gallon:	9.7 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	1263

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. **INTÉGRITÉ COATINGS MEDICI BASECOAT™** conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## Chemical Resistance

Acetic Acid 100%	RC	Methanol	R	Sugar/H <sub>2</sub> O	R
Acetone	R	Methylene Chloride	C	Sulfuric Acid 10%	R
Ammonium Hydroxide 50%	RC	Mineral Spirits	R	Sulfuric Acid >50%	R
Benzene	RC	Motor Oil	R	Toluene	R
Brake Fluid	R	MTBE	C	1, 1,1-Trichlorethane	C
Brine saturated H <sub>2</sub> O	R	Muriatic Acid 10%	R	Trisodium Phosphate	R
Chlorinated H <sub>2</sub> O	R	NaCl/H <sub>2</sub> O 10%	R	Vinegar/H <sub>2</sub> O 5%	R
Diesel fuel	R	Nitric Acid 20%	RC	H <sub>2</sub> O 14 days at 82° C	R
Ethanol	R	Phosphoric Acid 10%	R	Xylene	R
Gasoline	R	Phosphoric Acid 50%	NR		
Gasoline/5% MTBE	R	Potassium Hydroxide 10%	R		
Gasoline/5% Methanol	R	Potassium Hydroxide 20%	R, Dis		
Hydrochloric Acid 20%	R	Propylene Carbonate	RC		
Hydrofluoric Acid 10%	RC	Skydrol	RC		
Hydraulic fluid (oil)	R	Sodium Hydroxide 25%	R		
Isopropyl Alcohol	R	Sodium Hydroxide 50%	R, Dis		
Jet Fuel (JP-4)	R	Sodium Hypochlorite 10%	R		
Lactic Acid	RC	Sodium Bicarbonate	R		
MEK	R	Stearic Acid	R		

### Chemical Resistance Key

R=recommended/little or no visible damage

RC=recommended conditional/some effect, swelling or discoloration

C=Conditional/Cracking-wash within one hour of spillage to avoid affects

NR=Not recommended

Dis=Discolorative

## INTÉGRITÉ COATINGS BUILD COAT

The **Intégrité Coatings Build Coat** is used as a high build coating to accept the second broadcast of quartz in a Double Broadcast Quartz Floor. The unique physical properties of the Intégrité Coatings Build Coat give it extended workability combined with fast turnaround times and return to service. Offering long "open times" (period of time that decorative aggregates will stick to and adhere in the wet coating) this product produces a perfect broadcast every time. The Intégrité Coatings Build Coat has a high solids content making it great for both interior and exterior applications. However, because this material is thicker than other coatings it is important to follow the mix charts for recommended maximum size batches.

### MIXING INSTRUCTIONS

- ❖ Remove the lid from the **Part A** 1-gallon bucket and use a drill with paddle style mixer or a paint stick to spin the material for at least 1 minute prior to use. Replace the lid to keep contaminants out. Remove the lid from the **Part B** 2-gallon bucket and use a drill with a different (clean) paddle style mixer or paint stick to spin the material for at least 1 minute. Replace the lid to keep contaminants out.
- ❖ Reference the mix chart to determine quantities needed and maximum size batch to mix.
- ❖ Pour the **Intégrité Coatings Build Coat Part A** into a calibrated mixing container.
- ❖ Add the **Intégrité Coatings Build Coat Part B** to the same container keeping the materials at a **1A:2B** ratio and following the mix charts.
- ❖ **OPTIONAL** – Add up to 10% Acetone by total volume mixed to create a thinner, easier to work with coating.
- ❖ Spin the materials thoroughly for at least 1 minute using a drill and paddle style mixer before applying.

### INTERMEDIATE COAT OVER A SINGLE BROADCAST QUARTZ FLOOR – FLAT SQUEEGEE APPLICATION

- ❖ Pour the mixed material onto the floor in a large ribbon about 12" wide, starting about 12" off the wall.
- ❖ Using a semi-rigid flat blade rubber squeegee, spread the material thin and even over the surface, leaving a small amount around the perimeter for an installer to follow up and spread with a brush or a small roller
- ❖ Once you have spread an area about 6-8 feet off the back wall, the other installer can begin to back-roll the material to even it out. Fully saturate the roller in a pile of material and use the **M and W pattern** to spread the coating on the floor evenly. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness and appearance. Start at the back wall and simply drag the roller perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is even in appearance. While one installer is rolling out the material, the other one should either be mixing another batch of material or cutting in the edges to stay ahead of the roller. Continue this process for a section of about 500 sf, or about 20-30 minutes after the coating process began before returning to the start to broadcast another layer of quartz. This process will be done in the same fashion as the first broadcast, always working your way backward off the floor.
- ❖ **CROSS-ROLLING THE APPLIED MATERIAL IS IMPERATIVE. FAILURE TO DO SO CAN RESULT IN THICK SPOTS FROM OVERLAPPING OF THE ROLLER THAT WILL HOLD MORE DECORATIVE AGGREGATE AND CHANGE THE TEXTURE OF THE FLOOR.**
- ❖ Allow the coating to cure for at least 1-2 hours (based on temperature and humidity) before recovering the loose quartz from the floor.
- ❖ **COLDER TEMPERATURES WILL SLOW THE CURE TIME, WHILE WARMER TEMPERATURES AND WILL SPEED THEM UP.**
- ❖ Test the coating for cure by pushing down on the quartz with your thumb and rotating. If the quartz moves freely then the coating is not cured and should not be walked on to recover the loose aggregate. Wait until the coating no longer spins before moving forward with the cleanup procedure.
- ❖ Once the floor has cured, use stiff bristled brooms to push the loose quartz into piles for recovery. This is best done with a "bouncing of the broom" technique that will recover much more than just pushing the broom normally. This quartz is still good and can be re-used on future jobs. Best practice is to put it back in the paper bag that it came in and seal the top of the bag by rolling it over and using duct tape to secure it down. Do not leave bags open for extended periods of time as they can retain moisture and affect the coating's performance.

- ❖ **OPTIONAL** – To decrease the amount of texture left on the floor – to make the finished floor smoother – it is the option of the installer to use a floor buffer outfitted with 80-120 grit mesh sanding pads to go over the floor and knock down any high points. This process should only be attempted once the coating has fully cured. Care must be taken by the operator to keep the machine moving and not “burn through” the quartz layer or damage the floor in any way.
- ❖ Thoroughly vacuum the floor or use the leaf blower again to remove any and all loose quartz and debris from the floor.
- ❖ Reference the **Intégrité Coatings Exterior Topcoat** section of the manual for guidelines and application instructions to finish the floor system.



## INTÉGRITÉ COATINGS BUILD COAT

**INTÉGRITÉ COATINGS BUILD COAT IS MIXED AT A RATIO OF 1A : 2B**

THIS CHART IS FOR APPLYING THE INTERMEDIATE COAT ON A DOUBLE BROADCAST QUARTZ FLOOR ONLY

FLOOR SIZE (SF)	COVERAGE RATE (SF / GAL)	TOTAL AMOUNT REQ'D (GAL)	PART A (OZ)	PART B (OZ)	OPTIONAL ACETONE @ 10% (OZ)
100	100	1.0	43	85	13
150	100	1.5	64	128	19
200	100	2.0	85	171	26
250	100	2.5	107	213	32
300	100	3.0	128	256	38
350	100	3.5	149	299	45
400	100	4.0	171	341	51
450	100	4.5	192	384	58
500	100	5.0	213	427	64
550	100	5.5	235	469	70
600	100	6.0	256	512	77
650	100	6.5	277	555	83
700	100	7.0	299	597	90
750	100	7.5	320	640	96
800	100	8.0	341	683	102
850	100	8.5	363	725	109
900	100	9.0	384	768	115
950	100	9.5	405	811	122
1000	100	10.0	427	853	128
1050	100	10.5	448	896	134
1100	100	11.0	469	939	141
1150	100	11.5	491	981	147
1200	100	12.0	512	1024	154
1250	100	12.5	533	1067	160
1300	100	13.0	555	1109	166
1350	100	13.5	576	1152	173
1400	100	14.0	597	1195	179

**\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES**

INTÉGRITÉ COATINGS BUILD COAT IS APPLIED USING A FLAT SQUEEGEE AND BACKROLL TECHNIQUE.

### INTÉGRITÉ POLYUREA COATINGS

3001 103<sup>rd</sup> Lane NE Blaine, MN 55449

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## INTÉGRITÉ COATINGS BUILD COAT

### Product Description

Intégrité Coatings Build Coat is a two-component, 98% solids, VOC Compliant Polyurea that is used as a high build coating to accept decorative aggregate broadcasts. This coating is relatively moisture insensitive and performs well in a wide range of temperatures and climate conditions. Extended working time makes it a great choice for both residential and commercial applications.

### PRODUCT FEATURES

- ❖ Displays moderate cure times with excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Can be roll applied at temperatures ranging from -20-120°F and in high humidity.
- ❖ Long "open times" allow for self leveling capabilities and increased hiding power as well as consistent broadcasts of decorative aggregate.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance contributed to high VOC levels that are found in most epoxies and polyurethanes.
- ❖ Can be applied to vertical surfaces as a primer/basecoat or stand-alone coating.
- ❖ Easy to mix 1:2 ratio.

### PRIMARY APPLICATIONS

- ❖ Wall coating over sheetrock, wood, and concrete
- ❖ Aircraft hangar floors
- ❖ Automotive shops
- ❖ Maintenance facilities
- ❖ Residential garages
- ❖ Industrial shop floors
- ❖ Pool surrounds
- ❖ Bathrooms and locker rooms
- ❖ Sidewalks and walkways
- ❖ Wastewater treatment applications
- ❖ High build systems

### TEMPERATURE

-20°F - 120°F (-29°C - 49°C)

Optimal installation temperature is 50°F - 90°F (10°C - 32°C) Extreme cold applications may slow the cure time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

### PACKAGING

Product is sold CLEAR in a 3 gallon kit (1 gallon Part A, 2 gallons Part B)

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	3600
Elongation	ASTM D412	198
Tear Strength (PLI)	ASTM 2240	350
Modulus of Elasticity		47,900 psi
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Tabor Abrasion mg loss	ASTM D4060	31
Impact Resistance	ASTM D2794	250 in. lbs.
	Direct	
Impact Resistance	ASTM D2794	285 in. lbs.
	Indirect	
Radiant Flux (CRF)	ASTM E 648	1.14 W/cm²

### TYPICAL PROCESSING PROPERTIES

1:2 Mix Ratio	2-4 Hours - Tack Free
Relative Humidity-72°F-54%	Hard dry-2-4 hours
	Mar free-4-6 hours
	Recoat - 12 hours Max.
	Foot Traffic - 8-12 Hours

### Recommended Coverages

Intermediate Coat	100-125 sf/gal	@13.6 mils DFT
-Double Broadcast Quartz Flooring		
Over Tile	80-120 sf/gal	@15.6 mils DFT

VOC compliant in all 50 states and Canada

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.



## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Basecoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Build Coat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness.

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. Thoroughly mix both the A and B side components using separate paddle mixers and a drill for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use before combining the two components. Following the mix ratio of 1A:2B, combine the two components in a calibrated mixing container and blend together with a paddle style mixer and drill for at least 1 minute. When used as the intermediate coating on a double broadcast quartz floor, Intégrité Coatings suggests adding Acetone at a rate of 10% by total volume mixed to thin the coating and make it easier to apply. Intégrité Coatings recommends a maximum batch size of 1-2 gallons at a time, however larger quantities can be mixed depending on the scope of the project. Never mix more material than can be placed and finished in 20-25 minutes.

## Squeegee Application (Double Broadcast Quartz Flooring)

When used as the intermediate coating, the mixed product should be poured on the floor and spread using a tight, flat squeegee. It should then be backrolled using a saturated roller until even in thickness. Decorative aggregate should be broadcast into the wet coating no later than 20 minutes after application.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to ¾" nap are acceptable, thicker nap may cause bubbling of the coating.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Build Coat can be thinned using Acetone at rates up to but not exceeding 15% by total volume mixed.

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened buckets. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)

USDA and FDA certified food safe for incidental food contact.

Radiant Flux Tested and Certified.

## SHIPPING INFORMATION

Flash Point:	140°C (284°F)
Weight/Gallon:	9.9 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	N / A

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS BUILD COAT™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## COATING OF VERTICAL SURFACES

When a job requires the coating of stem walls, walls, stairs or baseboard coving, it will be beneficial to complete these first before coating the floor. There will be a few exceptions to this general rule, but for the most part mixing small quantities of material and applying them to the vertical surfaces and broadcasting decorative aggregate can result in better coverage and more consistency than when trying to coat the floor and verticals at the same time. Sometimes in extreme high heat and humidity it will be nearly impossible to coat both surfaces simultaneously. Coating steps and stairs is an easy task thanks to the long "open times" of the **Intégrité Coatings Basecoat** and the **Intégrité Coatings Build Coat**. Depending on the overall height of the vertical surface to be coated, the application technique can change to make the installation easier. Short, wide staircases will require additional installers to complete and are usually installed from side to side. Tall, narrow staircases can be completed by one person and are usually done from top to bottom to avoid having to walk in the wet product. Wood, concrete and metal stairs are all good candidates for coating.

### **BLOCK STEMWALLS, STAIRS AND SHEETROCK**

Concrete block and sheetrock will be the most porous substrates and will suck in the material after application. Two coats of product will almost always be necessary to get full coverage and enough body to hold decorative aggregate. While the **Intégrité Coatings Build Coat** can be built up thick to fill in voids, pits, and honeycombing, there is always the chance that an overabundance of product can cause the coating to run down the wall. Always avoid over-application of the **Intégrité Coatings Build Coat** on very porous substrates.

Being that the **Intégrité Coatings Basecoat** is a single component material that is dependent on moisture and air flow to cure, it **SHOULD NEVER BE USED TO FILL IN VOIDS** on vertical surfaces or outgassing will most likely occur. Use the two coat application system with all vertical areas to be coated with **Intégrité Coatings Basecoat**. Always protect the floor and any areas that are not to receive coating with tape or plastic.

#### ▪ **FOR VERTICAL BLOCK SURFACES UP TO 12" TALL – INTÉGRITÉ COATINGS BASECOAT**

- If using the **Intégrité Coatings Basecoat**, mix a small color tinted batch and thin it with 10% MEK by total volume mixed. Apply this material thin, acting more as a primer coat to seal the block than as a build coat. You should expect to get about 500-600 sf/gallon with this material.
- Allow the coating to cure for at least 2-3 hours before applying another coat and broadcasting into it.
  - **THIS MAY REQUIRE EXTRA PLANNING TO PREP THE VERTICAL SURFACES AND APPLY THE INTÉGRITÉ COATINGS BASECOAT "PRIME COAT" IMMEDIATELY UPON ARRIVAL TO THE JOBSITE. THAT WAY THE "PRIME COAT" HAS TIME TO DRY WHILE THE REST OF THE FLOOR IS BEING PREPARED. KEEP AN EYE ON RE-COAT WINDOWS SO AS NOT TO GET OUTSIDE THE MAXIMUM RE-COAT TIME.**
- After the rest of the floor has been prepared or the 2-3 hours has passed, apply another coat of color tinted **Intégrité Coatings Basecoat** thinned down with 10% MEK to the surface. This coat should be opaque in color but still applied thin at 400-500 sf/gal so as not to run down the vertical surface.
- **IMMEDIATELY BROADCAST THE OPTIONAL DECORATIVE AGGREGATE INTO THE WET COATING.**
  - **IT WILL BE BEST TO "PACK" THE AGGREGATE INTO THE WET COATING AS OPPOSED TO THROWING. PLACE A PILE OF AGGREGATE ON THE FLOOR AND PULL IT UP THE WALL WHILE FORCING IT INTO THE WET COATING. DO NOT SMEAR IT ON AS THIS WILL CREATE CLUMPING AND BUILD-UP OF THE AGGREGATE. ALWAYS CHECK FOR UNIFORM COVERAGE AS YOU GO.**

#### ▪ **FOR VERTICAL BLOCK SURFACES UP TO 12" TALL – INTÉGRITÉ COATINGS BUILD COAT (OPTIONAL)**

- Mix a small batch of color tinted **Intégrité Coatings Build Coat** and apply the material with a brush and/or 4" roller. Apply enough material to create an opaque appearance, but not so much that it runs down the wall. Each dip of the brush may only cover 4-6" of the block. Keep the floor clean during application.
- Once the entire area has been coated you can immediately apply a second, thinner coat using the same material (or another batch) starting at the same place you started the first coat. This should create a fully opaque finish and leave enough material on the surface to allow decorative aggregate to adhere.

- **WAIT A MINIMUM OF 15 MINUTES TO BROADCAST THE OPTIONAL DECORATIVE AGGREGATE INTO THE WET COATING.**
  - **BROADCASTING IMMEDIATELY CAN WEIGH DOWN THE COATING AND CREATE SAGGING OF THE AGGREGATE.**
  - **IT WILL BE BEST TO “PACK” THE AGGREGATE INTO THE WET COATING AS OPPOSED TO THROWING. PLACE A PILE OF AGGREGATE ON THE FLOOR AND PULL IT UP THE WALL WHILE FORCING IT INTO THE WET COATING. DO NOT SMEAR IT ON AS THIS WILL CREATE CLUMPING AND BUILD-UP OF THE AGGREGATE. ALWAYS CHECK FOR UNIFORM COVERAGE AS YOU GO.**
- **FOR VERTICAL SURFACES OVER 12” TALL**
  - Follow the individual procedures above (per each material) to mix and apply the **Intégrité Coatings Basecoat** or **Intégrité Coatings Build Coat** to the edges and use a 9” or 18” roller to apply the bulk of the material to the wall out of a roller pan.
  - Two coats will still be necessary, so remember to cut in the edges on the second coat with a brush to ensure that the entire surface is wet before broadcasting decorative aggregate.
  - **WAIT A MINIMUM OF 15 MINUTES TO BROADCAST THE OPTIONAL DECORATIVE AGGREGATE INTO THE WET COATING.**
    - **BROADCASTING IMMEDIATELY CAN WEIGH DOWN THE COATING AND CREATE SAGGING OF THE AGGREGATE.**
    - **FOR THESE TALLER SURFACES IT WILL BE BEST TO “BASEBALL STYLE THROW” THE AGGREGATE INTO THE WET COATING AS OPPOSED TO PACKING IT IN. START WITH A LARGE QUANTITY OF AGGREGATE, STAND BACK ABOUT 2-3 FEET AND START AT THE BOTTOM, WORKING YOUR WAY UP AS THE AGGREGATE STICKS TO THE WALL.**
    - **RECOVER AND RE-USE THE AGGREGATE AS YOU GO. WITH CHIP, THEY CAN BEGIN TO BREAK DOWN INTO SMALLER FINE PARTICLES. AVOID RE-USING THESE SMALL FINES AS THEY CAN CHANGE THE TEXTURE AND APPEARANCE OF THE FINISH.**

### **CONCRETE STEMWALLS AND STAIRS**

All concrete surfaces need to be mechanically ground before applying the **Intégrité Coatings Basecoat**. Similar to preparing wood for coating, this step will remove dirt and debris and also create a profile for the coating to adhere to. Structural damage such as broken edges, pitting, spalling, and cracking should be addressed in the same fashion as the rest of the concrete floor. Use **Intégrité Coatings Fortification Formula** or **Intégrité Coatings Fast Patch Epoxy Putty** to reshape edges and fill in cracking prior to coating. Concrete will not be as porous as block or sheetrock, but it is still suggested to follow the application procedures above for the **Intégrité Coatings Basecoat** on poured concrete vertical surfaces. The “prime coat” should be allowed to tack over before applying the final colored coat of material and broadcasting into it. This will limit the possibility of any outgassing due to applying the material too thick.

### **BASEBOARD COVING**

Make sure to tie the floor into the wall with wet material before broadcasting chip. Any gaps will be visible and allow moisture to get through as well as create a void making the floor not seamless. For this application, the vertical surface and the floor must be wet at the same time to allow for the broadcast to be connected and form the “bath-tub” that was intended. Always make sure to apply enough material to cover the coving without over-applying and causing pooling on the floor.

### WOOD STAIRS

- ❖ All wood surfaces should be scuff sanded prior to the application of any coating system. Any dirt and debris will be removed during sanding. Paint and other coatings should be completely (minimum 90%) removed to allow the coatings to soak in and adhere to the substrate. Coarse, 40-60 grit sandpaper should be used for this. Smooth wood after sanding will have a profile on it that will increase the adhesion of the coating system. Some wood is supplied from the factory with a smooth, 200 grit finish that needs to be roughed up prior to coating.
- ❖ All nail and screw heads must be sunk before applying any coatings. Sometimes it may be necessary to sink a few extra screws into a riser or tread to make sure that it is structurally sound and suitable for coating. Always protect the floor while coating stairs.
- ❖ For coating over tongue and groove plywood decking, contact an Intégrité Coatings Representative for jobsite specific recommendations and installation procedures.

### METAL STAIRS

- ❖ Steel, aluminum, and iron stairs will take more preparation to coat than wood and concrete. **ALL METAL SURFACES** must be prepared to meet the requirements of NACE No. 2/SSPC-SP10 (RP0594) - Near-White Metal Blast Cleaning by use of abrasive blasting media such as aluminum oxide, slag, or abrasive grinding using 20 grit or lower diamonds. All surfaces should then be wiped clean using MEK or Certol International's Atomic 235 Heavy Duty Cleaner/Degreaser to remove blasting residue, rust and debris before coating can begin.
- ❖ **INTÉGRITÉ COATINGS BASECOAT MUST BE USED AS THE PRIMER COAT FOR ADHESION ON ALL METALS.** Any corresponding Intégrité Coatings system can then be applied as normal over this. The use of spray equipment may be employed to expedite the process if required. However, it will be necessary to provide ventilation and have installers wear appropriate Personal Protective Equipment (PPE).

**WHEN COATING ANY TYPE OF STAIRCASE IT IS IMPORTANT TO PROPERLY PREPARE THE SUBSTRATE. STAIRS ARE AN AREA OF THE FLOOR THAT WILL SEE CONSTANT FOOT TRAFFIC AND WEAR, AND COATINGS NEED TO BE WELL ADHERED TO HANDLE THE ABUSE. ANTI-SLIP AGGREGATE SHOULD ALWAYS BE BROADCAST INTO THE WET COATING TO PROVIDE ADDITIONAL TRACTION IN THESE AREAS AS WELL. SLIP/FALL HAZARDS ARE A HUGE LIABILITY AND NEED TO BE ACCOUNTED FOR DURING SYSTEM DESIGN.**



## FULL BROADCAST CHIP FLOOR - 1/4" CHIP

THIS CHART REPRESENTS DECORATIVE CHIP THROWN TO REJECTION

FLOOR SIZE (SF)	COVERAGE RATE (SF / LB)	AMOUNT GLUED DOWN (LBS)	AMOUNT NEEDED (LB)	BOXES OF CHIP (50 LBS EA)	AMOUNT RECOVERED (LB)
100	10	10	50	1	40
150	10	15	50	1	35
200	10	20	50	1	30
250	10	25	50	1	25
300	10	30	100	2	70
350	10	35	100	2	65
400	10	40	100	2	60
450	10	45	100	2	55
500	10	50	100	2	50
550	10	55	150	3	95
600	10	60	150	3	90
650	10	65	150	3	85
700	10	70	150	3	80
750	10	75	150	3	75
800	10	80	200	4	120
850	10	85	200	4	115
900	10	90	200	4	110
950	10	95	200	4	105
1000	10	100	200	4	100
1050	10	105	250	5	145
1100	10	110	250	5	140
1150	10	115	250	5	135
1200	10	120	250	5	130
1250	10	125	250	5	125
1300	10	130	300	6	170
1350	10	135	300	6	165
1400	10	140	300	6	160

\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES

RECOVERED CHIP BEFORE SCRAPING SHOULD BE PUT BACK INTO BOX FOR FUTURE USE.

RECOVERED CHIP AFTER SCRAPING SHOULD BE DISCARDED AND NOT RE-USED

### INTÉGRITÉ POLYUREA COATINGS

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## SINGLE BROADCAST QUARTZ FLOORING

THIS CHART REPRESENTS DECORATIVE QUARTZ THROWN TO REJECTION

FLOOR SIZE (SF)	COVERAGE RATE (SF / LB)	AMOUNT GLUED DOWN (LBS)	AMOUNT NEEDED (LB)	BAGS OF QUARTZ (50 LBS EA)	AMOUNT RECOVERED (LB)
100	2	50	75	1.5	25
150	2	75	113	2.3	38
200	2	100	150	3.0	50
250	2	125	188	3.8	63
300	2	150	225	4.5	75
350	2	175	263	5.3	88
400	2	200	300	6.0	100
450	2	225	338	6.8	113
500	2	250	375	7.5	125
550	2	275	413	8.3	138
600	2	300	450	9.0	150
650	2	325	488	9.8	163
700	2	350	525	10.5	175
750	2	375	563	11.3	188
800	2	400	600	12.0	200
850	2	425	638	12.8	213
900	2	450	675	13.5	225
950	2	475	713	14.3	238
1000	2	500	750	15.0	250
1050	2	525	788	15.8	263
1100	2	550	825	16.5	275
1150	2	575	863	17.3	288
1200	2	600	900	18.0	300
1250	2	625	938	18.8	313
1300	2	650	975	19.5	325
1350	2	675	1013	20.3	338
1400	2	700	1050	21.0	350

\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES

RECOVERED QUARTZ SHOULD BE PUT BACK INTO BAGS AND SEALED TIGHTLY FOR FUTURE USE.

CONTAMINATED QUARTZ CAN BE FILTERED FOR RE-USE OR DISCARDED

### INTÉGRITÉ POLYUREA COATINGS

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## INTÉGRITÉ COATINGS TOPCOAT

The **Intégrité Coatings Topcoat** is a single component, UV-stable, Aliphatic Polyurea that has the best chemical resistance available on the market today. Due to its unique chemical make-up and manufacturing process, this coating provides exceptional protection while offering a virtually unlimited pot life and crystal clear finish. It is resistant to staining from a wide variety of chemicals and caustic materials. Low odor and minimal VOC content allow for interior applications on projects requiring high gloss, chemical and abrasion resistant finishes. This revolution in coatings technology will provide reliable performance in all aspects of the floor coating industry, including but not limited to; industrial and chemical manufacturing plants, primary and secondary containment, retail environments, residential and heavy commercial buildings, protective coatings for metal and wood, as well as thin film clear coats over a large list of substrates. The single component technology in the **Intégrité Coatings Topcoat** makes it very user friendly and produces unmatched performance characteristics.

### **PRODUCT RE-COAT WINDOWS**

Because all Intégrité Coatings are fast setting, consecutive coats must be applied within certain timeframes to ensure proper inter-coat adhesion of the system. A re-coat window chart is available in the manual to show the MAXIMUM amount of time that can be allowed between coats. If these timeframes are exceeded, say for an emergency or weather conditions, it will be necessary to scuff sand the cured coatings to provide an anchor for adhesion. Reference the Tech Data Sheets for the individual materials for instructions on how to prepare them if the situation calls for it.

### **APPLICATION OVER A PARTIAL BROADCAST CHIP FLOOR or MEDICI TWO COLOR BASECOAT**

- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION BETWEEN THE BASECOAT AND THE TOPCOAT AND CREATE DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**
- ❖ **MIXING** - Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Topcoat**. Use a screwdriver to remove the lid on the **TOPCOAT STABILIZER** and add the ENTIRE CONTENTS to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**
- ❖ Pour the material into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating should be applied thin at a spread rate of 500-600 square feet per gallon.
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is even in appearance. Continue this process of rolling a 4' strip then cross rolling until the floor is complete.
- ❖ Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. It should always be backrolled to lock it in.
- ❖ To finish the system, roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to eliminate roller lines and produce an even, glossy finish. It is the extended pot-life of the **Intégrité Coatings Topcoat** that makes this possible.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependant on temperature) and vehicle traffic in 24 hours.

- ❖ **OPTION** – For areas that require a matte finish, you can follow the installation instructions for the **Intégrité Coatings Matte Topcoat** to apply a reduced gloss clear coat over the **Intégrité Coatings Medici Basecoat** in place. This clear coat will replace the **Intégrité Coatings Topcoat** listed above and must be installed following the product re-coat times listed in the manual.

## **SQUEEGEE APPLICATION OVER A FULL BROADCAST CHIP FLOOR**

- ❖ Follow the mixing instructions above to prepare the material for installation.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**
- ❖ Pour the mixed material on the floor in a large, 12" wide ribbon, and use a flat blade squeegee to spread the material evenly over the floor. Always maintain a good amount of pressure on the squeegee blade or puddling of the coating can occur. Angle the squeegee towards walls/joints to apply up to edges. Any buildup that cannot be moved by squeegee should be picked up and distributed by a 3" chip brush, leaving a uniform coat wall to wall. The coating should be applied thin at a spread rate of 225-250 square feet per gallon.
- ❖ **IT IS THE RESPONSIBILITY OF THE SQUEEGEE APPLICATOR TO APPLY A TIGHT, UNIFORM COAT OF INTÉGRITÉ COATINGS TOPCOAT OVER THE CHIP SO THE ROLLING APPLICATOR DOES NOT HAVE TO DO EXTRA WORK TO FILL IN DRY SPOTS OR SPREAD OUT PUDDLES. ANY VOIDS LEFT IN THE SQUEEGEE COAT COULD END UP AS "DRY" SPOTS ON THE FINISHED FLOOR. ANY AREAS LEFT TOO THICK COULD CAUSE OUTGASSING IN THE FINISHED TOPCOAT.**
- ❖ Once the squeegee applicator is about 6-8 feet off the back wall, the roller can get ready to finish the clear coat. Pour out the next strip of material to be pulled around with a squeegee. Saturate the roller and roll a 4 foot section across the length of the floor, starting at one end and working the material once from side to side and then back to where you started. This will even out the top coat and cover high/low spots. As with the base coat, cross roll the section applying little to no pressure. This will eliminate roller marks in the finish. Continue this technique throughout the floor, overlapping into the wet edge with the roller and keeping cross rolls even and perpendicular to the wall. If the roller becomes too saturated and starts to feel like it is pushing material around the floor instead of spreading it, empty the roller on an area of the floor that has not been squeegeed over yet. This will eliminate any high build areas and the possibility of applying the material too thick.
- ❖ Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. It should always be backrolled to lock it in.
- ❖ To finish the system, roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to eliminate roller lines and produce an even, glossy finish. It is the extended pot-life of the **Intégrité Coatings Topcoat** that makes this possible.
- ❖ It may be necessary to repeat the full length cross rolling process to completely level out the top coat and remove all roller lines.
- ❖ The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependant on temperature) and vehicle traffic in 24 hours.

## **FOR ALL INTÉGRITÉ COATINGS TOPCOAT APPLICATIONS**

- ❖ **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND GLASS-HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**
- ❖ **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- ❖ To achieve smoother finishes or higher gloss floors, it will be the option of the installer to apply additional **Intégrité Coatings Topcoats**. Always follow the re-coat window chart to determine the maximum time between coats. These timeframes must be followed to provide proper inter-coat adhesion between topcoats and create durable finished floors. Plan accordingly on large jobsites to complete sections at a time from start to finish.

## INTÉGRITÉ COATINGS TOPCOAT

### Product Description

Intégrité Coatings Topcoat is a single component, 90% solids, VOC Compliant, Aliphatic Polyurea that was developed for high gloss UV-stable floor topcoats, chemical resistance, and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. Intégrité Coatings Topcoat has excellent resistance to UV rays, abrasion, and many of today's harshest chemicals.

### PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Unlimited pot life increases the workability of the coating, providing consistent aggregate broadcasts and uniform topcoat applications.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ Coating displays excellent chemical and abrasion resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ 100% UV-Stable Aliphatic Chemistry
- ❖ Versatile, crystal clear topcoat for use on both horizontal and vertical applications.
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ Extended cure time delivers great self-leveling properties and glass-smooth finishes.

### PRIMARY APPLICATIONS

- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Wastewater treatment applications
- ❖ Bar, table and countertop sealer

### TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 65°F - 80°F (18°C - 27°C). Extreme cold applications may slow the cure time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>500psi
Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

### PACKAGING

Product is sold CLEAR in 1 gallon pouches

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,500
Compressive Strength (psi Mpa)	ASTM D695	12,000
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	800
Hardness, Shore D	ASTM D2240	80
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
*Liters sand/ 1 dry mil		
Abrasion Resistance	ASTM D4060	
CSI7-Wheel (1,000 gm Load)		12 mg Loss / 500 cycles
Gloss	ASTMD-523	91+
Permeability		.038 WVT

### TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relativity Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-4 hours
	Recoat Maximum - 12 hours

### Recommended Coverages

Topcoat Over Partial Chip	450-550 sf/gal	@2.9 mils DFT
Topcoat Over Full Chip	200-300 sf/gal	@4.8 mils DFT
Topcoat Over Medici Basecoat	500-600 sf/gal	@2.6 mils DFT

VOC compliant in all 50 states and Canada

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Topcoat is not recommended as a high build primer on wood substrates.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Topcoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Topcoat adheres well to several sound substrates and coatings when properly prepared including but not limited to: concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness. **ALWAYS FOLLOW THE DEW POINT CHART AND APPLY ACCORDINGLY. DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING. THIN MATERIAL WITH UP TO 15% MEK FOR TOPCOAT USE OVER 80°F (27°C)**

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Thoroughly mix the single component material using a paddle mixer and drill for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use. For each 1 gallon pouch, add the **ENTIRE CONTENTS** of the **TOPCOAT STABILIZER** and thoroughly mix together for a minimum of 1 minute with a drill and paddle style mixer until a uniform consistency is achieved. Pour the material into a roller pan or directly on the floor to squeegee apply. Follow the instructions in the installation manual for the different systems. Any unused material may be placed back in a separate, sealed storage container for future use. **DO NOT POUR UNUSED MATERIAL BACK INTO THE ORIGINAL SHIPPING CONTAINER AS IT COULD CONTAMINATE THE ENTIRE BATCH.** Seal all containers immediately after pouring out desired quantities. It is important to limit the time the pouch is open. Mix and pour out only what is needed. At the end of the day apply a solvent "float" of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to 3/8" nap are acceptable, thicker nap may cause bubbling of the coating.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Topcoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)  
USDA and FDA certified food safe for incidental food contact.

## SHIPPING INFORMATION

Flash Point:	47°C (117°F)
Weight/Gallon:	9.7 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	1263

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS TOPCOAT™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## Chemical Resistance

Acetic Acid 100% RC  
 Acetone R  
 Ammonium Hydroxide 50% RC  
 Benzene RC  
 Brake Fluid R  
 Brine saturated H<sub>2</sub>O R  
 Chlorinated H<sub>2</sub>O R  
 Diesel fuel R  
 Ethanol R  
 Gasoline R  
 Gasoline/5% MTBE R  
 Gasoline/5% Methanol R  
 Hydrochloric Acid 20% R  
 Hydrofluoric Acid 10% RC  
 Hydraulic fluid (oil) R  
 Isopropyl Alcohol R  
 Jet Fuel (JP-4) R  
 Lactic Acid RC  
 MEK R

Methanol R  
 Methylene Chloride C  
 Mineral Spirits R  
 Motor Oil R  
 MTBE C  
 Muriatic Acid 10% R  
 NaCl/H<sub>2</sub>O 10% R  
 Nitric Acid 20% RC  
 Phosphoric Acid 10% R  
 Phosphoric Acid 50% NR  
 Potassium Hydroxide 10% R  
 Potassium Hydroxide 20% R, Dis  
 Propylene Carbonate RC  
 Skydrol RC  
 Sodium Hydroxide 25% R  
 Sodium Hydroxide 50% R, Dis  
 Sodium Hypochlorite 10% R  
 Sodium Bicarbonate R  
 Stearic Acid R

Sugar/H<sub>2</sub>O R  
 Sulfuric Acid 10% R  
 Sulfuric Acid >50% R  
 Toluene R  
 1, 1,1-Trichlorethane C  
 Trisodium Phosphate R  
 Vinegar/H<sub>2</sub>O 5% R  
 H<sub>2</sub>O 14 days at 82° C R  
 Xylene R

### Chemical Resistance Key

R=recommended/little or no visible damage  
 RC=recommended conditional/some effect, swelling or discoloration  
 C=Conditional/Cracking-wash within one hour of spillage to avoid affects  
 NR=Not recommended  
 Dis=Discolorative

## INTÉGRITÉ COATINGS MATTE TOPCOAT

The **Intégrité Coatings Matte Topcoat** is a single component, UV-stable, Aliphatic Polyurea that has the best chemical resistance available on the market today. Due to its unique chemical make-up and manufacturing process, this coating provides exceptional protection while offering a virtually unlimited pot life and crystal clear finish. It is resistant to staining from a wide variety of chemicals and caustic materials. Low odor and minimal VOC content allow for interior applications on projects requiring reduced gloss, chemical and abrasion resistant finishes. This revolution in coatings technology will provide reliable performance in all aspects of the floor coating industry, including but not limited to; industrial and chemical manufacturing plants, retail environments, residential and heavy commercial buildings, protective coatings for metal and wood, as well as thin film clear coats over a large list of substrates. The single component technology in the **Intégrité Coatings Matte Topcoat** makes it very user friendly and produces unmatched performance characteristics.

### APPLICATION OVER A PARTIAL BROADCAST CHIP FLOOR or MEDICI TWO COLOR BASECOAT

- ❖ Remove the tear strip and open the seal on the pouch of the **Intégrité Coatings Matte Topcoat**. Add the **ENTIRE CONTENTS** of the **TOPCOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MATTE ADDITIVE** to the pouch. Use a drill with paddle style mixer to spin the combined material for at least 1 minute prior to use. Re-seal the seal immediately after spinning so that the product does not get contaminated. This material is highly moisture sensitive so make sure when mixing not to introduce air by over-agitating. It may be necessary to clean the seal to achieve a proper air-tight seal after use.
- ❖ **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT, AND IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS ON THE POUCH. STORE AWAY FROM MOISTURE, WATER, AND HIGH HEAT.**
- ❖ Pour the material into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating should be applied thin at a spread rate of 500-600 square feet per gallon.
- ❖ Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll. Overlap your cross-roll by about 4-6 inches and continue until the entire section is even in appearance. Continue this process of rolling a 4' strip then cross rolling until the floor is complete.
- ❖ Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. It should always be backrolled to lock it in.
- ❖ To finish the system, roll the floor from end to end in one direction until a uniform finish is achieved. The roller should be kept on the ground during the cross rolling to eliminate roller lines and produce an even finish. It is the extended pot-life of the **Intégrité Coatings Matte Topcoat** that makes this possible.
- ❖ The finished system will be UV-stable, low gloss, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependant on temperature) and vehicle traffic in 24 hours.
- ❖ **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION BETWEEN THE BASECOAT AND THE TOPCOAT AND CREATE DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**

### APPLICATION OVER A SOLID COLOR MEDICI BASECOAT FLOOR

Follow the instructions above to apply the **Intégrité Coatings Matte Topcoat** over two coats of the color tinted **Intégrité Coatings Medici Basecoat** if a reduced gloss finish is required. The **Intégrité Coatings Matte Topcoat** cannot be substituted for any part of a solid color floor, only used as the final clearcoat.

### FOR ALL INTÉGRITÉ COATINGS TOPCOAT APPLICATIONS

- ❖ **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND GLASS-HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**



## INTÉGRITÉ COATINGS MATTE TOPCOAT

### Product Description

Intégrité Coatings Matte Topcoat is a single component, 90% solids, VOC Compliant, Aliphatic Polyurea that was developed for low gloss UV-stable floor topcoats, chemical resistance, and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. Intégrité Coatings Matte Topcoat has excellent resistance to UV rays, abrasion, and many of today's harshest chemicals.

### PRODUCT FEATURES

- ❖ Displays excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Unlimited pot life increases the workability of the coating, providing uniform topcoat applications.
- ❖ Will provide a reduced gloss, smooth finish when cured.
- ❖ Coating displays excellent chemical and abrasion resistance.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to surrounding activities.
- ❖ VOC FREE
- ❖ 100% UV-Stable Aliphatic Chemistry
- ❖ Versatile, crystal clear topcoat for use on both horizontal and vertical applications.
- ❖ Single component means no possible mixing errors, thus eliminating the human error factor.
- ❖ Extended cure time delivers great self-leveling properties and glass-smooth finishes.

### PRIMARY APPLICATIONS

- ❖ Heavy traffic areas
- ❖ Aircraft hangar floors
- ❖ Maintenance facilities
- ❖ Industrial shop floors
- ❖ Commercial kitchens
- ❖ Bathrooms and Lavatories
- ❖ Chemical manufacturing plants
- ❖ Wastewater treatment applications
- ❖ Bar, table and countertop sealer

### TEMPERATURE

40°F - 120°F (4°C - 49°C)

Optimal installation temperature is 65°F - 80°F (18°C - 27°C). Extreme cold applications may slow the cure time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>500psi
Concrete-primer	concrete failure	>550psi

### PACKAGING

Product is sold CLEAR in 1 gallon pouches

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	5,500
Compressive Strength (psi Mpa)	ASTM D695	12,000
Elongation	ASTM D412	75
Tear Strength (PLI)	ASTM 2240	800
Hardness, Shore D	ASTM D2240	80
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D968	30
*Liters sand/ 1 dry mil		
Abrasion Resistance	ASTM D4060	
CSI7-Wheel (1,000 gm Load)	12 mg Loss / 500 cycles	
Gloss	ASTMD-523	>40 @ 60°
Permeability		.038 WVT

### TYPICAL PROCESSING PROPERTIES

Single Component - 72°F (24°C)	Tack Free-1-2 hours
Relativity Humidity - 54%	Hard dry-3-6 hours
	Recoat Minimum-4 hours
	Recoat Maximum - 12 hours

### Recommended Coverages

Topcoat Over Sealed Floor 450-600 sf/gal @2.9 mils DFT

This topcoat is not to be installed over un-sealed decorative aggregate floors. Always seal the floor first with Intégrité Coatings Topcoat or Intégrité Coatings Exterior Topcoat. VOC compliant in all 50 states and Canada

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Matte Topcoat is not recommended as a high build primer on wood substrates.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Matte Topcoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Matte Topcoat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness. **ALWAYS FOLLOW THE DEW POINT CHART AND APPLY ACCORDINGLY. DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING. THIN MATERIAL WITH UP TO 15% MEK FOR TOPCOAT USE OVER 80°F (27°C)**

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. The material temperature must be brought to 5°F above the dew point temperature before opening and agitating the material to prevent condensation from entering the coating. Thoroughly mix the single component material using a paddle mixer and drill for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use. For each 1 gallon pouch, add the **ENTIRE CONTENTS** of the **TOPCOAT STABILIZER** and the **ENTIRE CONTENTS** of the **MATTE ADDITIVE** and thoroughly mix together for a minimum of 1 minute with a drill and paddle style mixer until a uniform consistency is achieved. Pour the material into a roller pan or directly on the floor to squeegee apply. Follow the instructions in the installation manual for the different systems. Any unused material may be placed back in a separate, sealed storage container for future use. **DO NOT POUR UNUSED MATERIAL BACK INTO THE ORIGINAL SHIPPING CONTAINER AS IT COULD CONTAMINATE THE ENTIRE BATCH.** Seal all containers immediately after pouring out desired quantities. It is important to limit the time the pouch is open. Mix and pour out only what is needed. At the end of the day apply a solvent "float" of approximately 3 ounces of MEK over the surface of the coating before resealing the pouch.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to 3/8" nap are acceptable, thicker nap may cause bubbling of the coating.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Matte Topcoat can be thinned with up to 10% MEK by volume if a thinner coating is required. **DO NOT USE ANY OTHER TYPE OF SOLVENT.**

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards. **DO NOT APPLY IN DIRECT SUNLIGHT OR WHEN TEMPERATURES ARE STEADILY RISING.**

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)  
USDA and FDA certified food safe for incidental food contact.

## SHIPPING INFORMATION

Flash Point:	47°C (117°F)
Weight/Gallon:	9.7 ±1.0 lbs.
DOT HAZARD CLASS	N / A
DOT PACKAGING GROUP	II
DOT LABEL	N / A
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	N / A
UN / NA NUMBER	1263

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. **INTÉGRITÉ COATINGS MATTE TOPCOAT™** conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## Chemical Resistance

Acetic Acid 100% RC  
 Acetone R  
 Ammonium Hydroxide 50% RC  
 Benzene RC  
 Brake Fluid R  
 Brine saturated H<sub>2</sub>O R  
 Chlorinated H<sub>2</sub>O R  
 Diesel fuel R  
 Ethanol R  
 Gasoline R  
 Gasoline/5% MTBE R  
 Gasoline/5% Methanol R  
 Hydrochloric Acid 20% R  
 Hydrofluoric Acid 10% RC  
 Hydraulic fluid (oil) R  
 Isopropyl Alcohol R  
 Jet Fuel (JP-4) R  
 Lactic Acid RC  
 MEK R

Methanol R  
 Methylene Chloride C  
 Mineral Spirits R  
 Motor Oil R  
 MTBE C  
 Muriatic Acid 10% R  
 NaCl/H<sub>2</sub>O 10% R  
 Nitric Acid 20% RC  
 Phosphoric Acid 10% R  
 Phosphoric Acid 50% NR  
 Potassium Hydroxide 10% R  
 Potassium Hydroxide 20% R, Dis  
 Propylene Carbonate RC  
 Skydrol RC  
 Sodium Hydroxide 25% R  
 Sodium Hydroxide 50% R, Dis  
 Sodium Hypochlorite 10% R  
 Sodium Bicarbonate R  
 Stearic Acid R

Sugar/H<sub>2</sub>O R  
 Sulfuric Acid 10% R  
 Sulfuric Acid >50% R  
 Toluene R  
 1, 1,1-Trichlorethane C  
 Trisodium Phosphate R  
 Vinegar/H<sub>2</sub>O 5% R  
 H<sub>2</sub>O 14 days at 82° C R  
 Xylene R

### Chemical Resistance Key

R=recommended/little or no visible damage

RC=recommended conditional/some effect, swelling or discoloration

C=Conditional/Cracking-wash within one hour of spillage to avoid affects

NR=Not recommended

Dis=Discolorative

## INTÉGRITÉ COATINGS EXTERIOR TOPCOAT

The **Intégrité Coatings Exterior Topcoat** is a two component, 1:1 ratio, Aliphatic Polyurea that has excellent chemical resistance and is used as an exterior top coat over a number of systems. With 100% UV-Stability, the **Intégrité Coatings Exterior Top Coat** is able to be installed outdoors without any yellowing, chalking or fading over time. Due to the two component nature of this product, it is also possible to use it for higher build topcoats over double broadcast quartz floors and those with heavy texture.

### **PRODUCT RE-COAT WINDOWS**

Because all Intégrité Coatings are fast setting, consecutive coats must be applied within certain timeframes to ensure proper inter-coat adhesion of the system. A re-coat window chart is available in the manual to show the MAXIMUM amount of time that can be allowed between coats. If these timeframes are exceeded, say for an emergency or weather conditions, it will be necessary to scuff sand the cured coatings to provide an anchor for adhesion. Reference the Tech Data Sheets for the individual materials for instructions on how to prepare them if the situation calls for it.

### **APPLICATION OVER A PARTIAL BROADCAST CHIP FLOOR or MEDICI TWO COLOR BASECOAT**

- **FOLLOW THE RE-COAT WINDOW CHART TO DETERMINE THE MAXIMUM TIME BETWEEN COATS. THESE TIMEFRAMES MUST BE FOLLOWED TO PROVIDE PROPER INTER-COAT ADHESION BETWEEN THE BASECOAT AND THE TOPCOAT AND CREATE DURABLE FINISHED FLOORS. PLAN ACCORDINGLY ON LARGE JOBSITES TO COMPLETE SECTIONS AT A TIME FROM START TO FINISH.**
- Remove the lid from the **Part A** 1-gallon bucket of **Intégrité Coatings Exterior Topcoat** and use a drill with paddle style mixer or a paint stick to mix the material for at least 1 minute prior to use. Replace the lid immediately after spinning so the solvent does not flash out. Remove the lid from the **Part B** 1-gallon bucket and use a drill with separate paddle style mixer or a paint stick to mix the material for 1 minute. Replace the lid immediately.
- **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT.**
- Reference the mix charts to determine the quantities needed and maximum batch sizes
- Pour desired amount of **Part A** into calibrated mixing container.
- Add desired amount of **Part B** to the same mixing container keeping the materials at a **1A:1B** ratio and following the mix charts
- Spin the materials thoroughly for at least 1 minute using a drill and paddle style mixer. Be careful not to whip the material and introduce air and moisture to the coating. This will accelerate the cure times and reduce workability.
- For clear coating vertical surfaces, mix small batches and apply with a brush or small roller to achieve a uniform finish. It will always be helpful to use any natural sunlight or interior lights to check the finish. Avoid having product run down and accumulate on the floor.
- **ALWAYS CLEAR COAT THE VERTICAL SURFACES PRIOR TO COATING THE FLOOR - DUE TO THE FAST SETTING NATURE OF THE INTÉGRITÉ COATINGS EXTERIOR TOPCOAT, IT WILL BE DIFFICULT TO COAT THE VERTICALS AND FLOOR AT THE SAME TIME.**
- Pour the mixed material into an 18" roller pan, retaining a small amount to pour into a "cut bucket" for cutting in edges with a brush. Begin by having one installer cut in the edges in the first area to be coated, remembering to apply the coating at the specified spread rate. The coating should be applied thin at a spread rate of 400 square feet per gallon.
- Fully saturate an 18" 3/8 nap roller with product and spread the material on the floor using an M and W pattern. Once a 4 foot section across the length of the floor is coated you will want to cross roll the coating to create a uniform thickness. Start at the back wall and simply drag the roller from end to end perpendicular to your original roll, always remembering to start from the same side. **DO NOT GO BACK AND FORTH ACROSS THE FLOOR.** Overlap your cross-roll by about 4-6 inches and continue until the entire section is even in appearance. Continue this process of rolling a 4' strip then cross rolling until the floor is complete.
- Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. However, unlike with the **Intégrité Coatings Topcoat** (standard) you may not have the availability to backroll the aluminum oxide in. The **Intégrité Coatings Exterior Topcoat**, due to its two component nature and internal catalysts will make it tack up much faster.

- The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependent on temperature) and vehicle traffic in 24 hours.

#### **SQUEEGEE APPLICATION OVER A FULL BROADCAST CHIP FLOOR**

- Remove the lid from the **Part A** 1-gallon bucket of Intégrité Coatings Exterior Topcoat and use a drill with paddle style mixer or a paint stick to mix the material for at least 1 minute prior to use. Replace the lid immediately after spinning so the solvent does not flash out. Remove the lid from **Part B** 1 gallon bucket and use a drill with separate paddle style mixer or a paint stick to mix the material for 1 minute. Replace the lid immediately.
- **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT.**
- Reference the mix charts to determine the quantities needed and maximum batch sizes
- Pour desired amount of **Part A** into calibrated mixing container.
- Add desired amount of **Part B** to the same mixing container keeping the materials at a **1A:1B** ratio and following the mix charts
- Spin the materials thoroughly for at least 1 minute using a drill and paddle style mixer. Be careful not to whip the material and introduce air and moisture to the coating. This will accelerate the cure times and reduce workability.
- For clear coating vertical surfaces, mix small batches and apply with a brush or small roller to achieve a uniform finish. It will always be helpful to use any natural sunlight or interior lights to check the finish. Avoid having product run down and accumulate on the floor.
- **ALWAYS CLEAR COAT THE VERTICAL SURFACES PRIOR TO COATING THE FLOOR - DUE TO THE FAST SETTING NATURE OF THE INTÉGRITÉ COATINGS EXTERIOR TOPCOAT, IT WILL BE DIFFICULT TO COAT THE VERTICALS AND FLOOR AT THE SAME TIME.**
- Pour the mixed material on the floor in a large, 12" wide ribbon, and use a flat blade squeegee to spread the material evenly over the floor. Always maintain a good amount of pressure on the squeegee blade or puddling of the coating can occur. Angle the squeegee towards walls/joints to apply up to edges. Any buildup that cannot be moved by squeegee should be picked up and distributed by a 3" chip brush, leaving a uniform coat wall to wall.
- **IT IS THE RESPONSIBILITY OF THE SQUEEGEE APPLICATOR TO APPLY A UNIFORM COAT OF INTÉGRITÉ COATINGS EXTERIOR TOPCOAT OVER THE CHIP SO THE ROLLING APPLICATOR DOES NOT HAVE TO DO EXTRA WORK TO FILL IN DRY SPOTS OR SPREAD OUT PUDDLES. ANY VOIDS LEFT IN THE SQUEEGEE COAT WILL END UP AS "DRY" SPOTS ON THE FINISHED FLOOR. THICKER AREAS WILL BE GLOSSIER IN APPEARANCE.**
- Once the squeegee applicator is about 6-8 feet off the back wall, the roller can get ready to finish the clear coat. Pour out the next strip of material to be pulled around with a squeegee. Heavily saturate the roller and roll a 4 foot section across the length of the floor, starting at one end and working the material once from side to side and then back to where you started. This will even out the top coat and cover high/low spots. As with the base coat, cross roll the section applying little to no pressure. This will eliminate roller marks in the finish. Continue this technique throughout the floor, overlapping into the wet edge with the roller and keeping cross rolls even and perpendicular to the wall.
- **ALWAYS CROSS-ROLL FROM THE SAME SIDE / STARTING POINT TO FINISH OFF THE FLOOR.**
- Aluminum oxide anti-slip aggregate may be broadcast into the wet coating at this point. However, unlike with the **Intégrité Coatings Topcoat** (standard) you may not have the availability to backroll the aluminum oxide in. The **Intégrité Coatings Exterior Topcoat**, due to its two component nature and internal catalysts will make it tack up much faster.
- The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependent on temperature) and vehicle traffic in 24 hours.

## SQUEEGEE APPLICATION OVER A SINGLE or DOUBLE BROADCAST QUARTZ FLOOR

- Remove the lid from the **Part A** 1-gallon bucket of Intégrité Coatings Exterior Topcoat and use a drill with paddle style mixer or a paint stick to mix the material for at least 1 minute prior to use. Replace the lid immediately after spinning so the solvent does not flash out. Remove the lid from **Part B** 1 gallon bucket and use a drill with separate paddle style mixer or a paint stick to mix the material for 1 minute. Replace the lid immediately.
- **ALWAYS STORE MATERIAL OUT OF DIRECT SUNLIGHT.**
- Reference the mix charts to determine the quantities needed and maximum batch sizes
- Pour desired amount of **Part A** into calibrated mixing container.
- Add desired amount of **Part B** to the same mixing container keeping the materials at a **1A:1B** ratio and following the mix charts
- Spin the materials thoroughly for at least 1 minute using a drill and paddle style mixer. Be careful not to whip the material and introduce air and moisture to the coating. This will accelerate the cure times and reduce workability.
- For clear coating vertical surfaces, mix small batches and apply with a brush or small roller to achieve a uniform finish. It will always be helpful to use any natural sunlight or interior lights to check the finish. Avoid having product run down and accumulate on the floor.
- **ALWAYS CLEAR COAT THE VERTICAL SURFACES PRIOR TO COATING THE FLOOR** - Due to the fast setting nature of the Intégrité Coatings Exterior Topcoat, it will be difficult to coat the verticals and floor at the same time.
- Pour the mixed material on the floor in a large, 12" wide ribbon, and use a flat blade squeegee to spread the material evenly over the floor. Always maintain a good amount of pressure on the squeegee blade or puddling of the coating can occur. Angle the squeegee towards walls/joints to apply up to edges. Any buildup that cannot be moved by squeegee should be picked up and distributed by a 3" chip brush, leaving a uniform coat wall to wall.
- **IT IS THE RESPONSIBILITY OF THE SQUEEGEE APPLICATOR TO APPLY A UNIFORM COAT OF INTÉGRITÉ COATINGS EXTERIOR TOPCOAT OVER THE QUARTZ SO THE ROLLING APPLICATOR DOES NOT HAVE TO DO EXTRA WORK TO FILL IN DRY SPOTS OR SPREAD OUT PUDDLES. ANY VOIDS LEFT IN THE SQUEEGEE COAT WILL END UP AS "DRY" SPOTS ON THE FINISHED FLOOR. THICKER AREAS WILL BE GLOSSIER IN APPEARANCE.**
- Once the squeegee applicator is about 6-8 feet off the back wall, the roller can get ready to finish the clear coat. Pour out the next strip of material to be pulled around with a squeegee. Heavily saturate the roller and roll a 4 foot section across the length of the floor, starting at one end and working the material once from side to side and then back to where you started. This will even out the top coat and cover high/low spots. As with the base coat, cross roll the section applying little to no pressure. This will eliminate roller marks in the finish. Continue this technique throughout the floor, overlapping into the wet edge with the roller and keeping cross rolls even and perpendicular to the wall.
- If the roller seems to be "over-saturated" and is simply pushing material around instead of laying it off, it is suggested to "empty" the roller out by rolling it on a piece of scrap cardboard or similar. This will pull some material out of the roller and allow it to perform properly during the most crucial part of the installation.
- **ALWAYS CROSS-ROLL FROM THE SAME SIDE / STARTING POINT TO FINISH OFF THE FLOOR.**
- The finished system will be UV-stable, highly abrasion and chemical resistant and should take only one day to install. The floor will be able to withstand foot traffic in 6-8 hours after the final application (dependent on temperature) and vehicle traffic in 24 hours.

## FOR ALL INTÉGRITÉ COATINGS TOPCOAT APPLICATIONS

- **ALWAYS INSIST THAT CUSTOMERS CHECK THE FLOOR FOR CURE BEFORE WALKING OR DRIVING ON THE SURFACE. IT SHOULD BE COMPLETELY TACK FREE AND HARD TO THE TOUCH. IT WILL RESIST FINGERNAIL MARKING COMPLETELY.**
- **COLDER TEMPERATURES INCREASE THE CURE TIMES, WHILE WARMER TEMPERATURES WILL SPEED THEM UP.**
- To achieve smoother finishes or higher gloss floors, it will be the option of the installer to apply additional **Intégrité Coatings Exterior Topcoats**. Always follow the re-coat window chart to determine the maximum time between coats. These timeframes must be followed to provide proper inter-coat adhesion between topcoats and create durable finished floors. Plan accordingly on large jobsites to complete sections at a time from start to finish.





## INTÉGRITÉ COATINGS EXTERIOR TOPCOAT

INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS MIXED AT A RATIO OF 1A : 1B

THIS CHART IS FOR TOPCOATING OVER MEDICI AND PARTIAL CHIP FLOORS

FLOOR SIZE (SF)	COVERAGE RATE (SF / GAL)	TOTAL AMOUNT REQ'D (GAL)	PART A (OZ)	PART B (OZ)
100	400	0.3	16	16
150	400	0.4	24	24
200	400	0.5	32	32
250	400	0.6	40	40
300	400	0.8	48	48
350	400	0.9	56	56
400	400	1.0	64	64
450	400	1.1	72	72
500	400	1.3	80	80
550	400	1.4	88	88
600	400	1.5	96	96
650	400	1.6	104	104
700	400	1.8	112	112
750	400	1.9	120	120
800	400	2.0	128	128
850	400	2.1	136	136
900	400	2.3	144	144
950	400	2.4	152	152
1000	400	2.5	160	160
1050	400	2.6	168	168
1100	400	2.8	176	176
1150	400	2.9	184	184
1200	400	3.0	192	192
1250	400	3.1	200	200
1300	400	3.3	208	208
1350	400	3.4	216	216
1400	400	3.5	224	224

\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES

INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS APPLIED USING A DIP AND ROLL TECHNIQUE.

SUGGESTED MAXIMUM BATCH SIZE PER MIX

### INTÉGRITÉ POLYUREA COATINGS

3001 103<sup>rd</sup> Lane NE Blaine, MN 55449

866-765-4474 COPYRIGHT INTÉGRITÉ POLYUREA COATINGS 2011



## INTÉGRITÉ COATINGS EXTERIOR TOPCOAT

**INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS MIXED AT A RATIO OF 1A : 1B**

**THIS CHART IS FOR TOPCOATING OVER A 1/4" FULL BROADCAST CHIP FLOOR ONLY**

FLOOR SIZE (SF)	COVERAGE RATE (SF / GAL)	TOTAL AMOUNT REQ'D (GAL)	PART A (OZ)	PART B (OZ)
100	200	0.5	32	32
150	200	0.8	48	48
200	200	1.0	64	64
250	200	1.3	80	80
300	200	1.5	96	96
350	200	1.8	112	112
400	200	2.0	128	128
450	200	2.3	144	144
500	200	2.5	160	160
550	200	2.8	176	176
600	200	3.0	192	192
650	200	3.3	208	208
700	200	3.5	224	224
750	200	3.8	240	240
800	200	4.0	256	256
850	200	4.3	272	272
900	200	4.5	288	288
950	200	4.8	304	304
1000	200	5.0	320	320
1050	200	5.3	336	336
1100	200	5.5	352	352
1150	200	5.8	368	368
1200	200	6.0	384	384
1250	200	6.3	400	400
1300	200	6.5	416	416
1350	200	6.8	432	432
1400	200	7.0	448	448

**\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES**

INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS APPLIED USING A FLAT SQUEEGEE AND BACKROLL TECHNIQUE.

**SUGGESTED MAXIMUM BATCH SIZE PER MIX**

### INTÉGRITÉ POLYUREA COATINGS

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## INTÉGRITÉ COATINGS EXTERIOR TOPCOAT

INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS MIXED AT A RATIO OF 1A : 1B

THIS CHART IS FOR TOPCOATING OVER A SINGLE BROADCAST QUARTZ FLOOR ONLY

FLOOR SIZE (SF)	COVERAGE RATE (SF / GAL)	TOTAL AMOUNT REQ'D (GAL)	PART A (OZ)	PART B (OZ)
100	125	0.8	51	51
125	125	1.0	64	64
150	125	1.2	77	77
200	125	1.6	102	102
250	125	2.0	128	128
300	125	2.4	154	154
350	125	2.8	179	179
400	125	3.2	205	205
450	125	3.6	230	230
500	125	4.0	256	256
550	125	4.4	282	282
600	125	4.8	307	307
650	125	5.2	333	333
700	125	5.6	358	358
750	125	6.0	384	384
800	125	6.4	410	410
850	125	6.8	435	435
900	125	7.2	461	461
950	125	7.6	486	486
1000	125	8.0	512	512
1050	125	8.4	538	538
1100	125	8.8	563	563
1150	125	9.2	589	589
1200	125	9.6	614	614
1250	125	10.0	640	640
1300	125	10.4	666	666
1350	125	10.8	691	691

\*NUMBERS ABOVE ARE CLOSE ESTIMATES, NOT EXACT QUANTITIES

INTÉGRITÉ COATINGS EXTERIOR TOPCOAT IS APPLIED USING A FLAT SQUEEGEE AND BACKROLL TECHNIQUE.

SUGGESTED MAXIMUM BATCH SIZE PER MIX

### INTÉGRITÉ POLYUREA COATINGS

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## INTÉGRITÉ COATINGS EXTERIOR TOPCOAT

### Product Description

Intégrité Coatings Exterior Topcoat is a two-component, 80% solids, VOC Compliant, Aliphatic Polyurea that was developed for UV stable floor topcoats, chemical resistance and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. 100% UV stability makes it an excellent choice for both interior and exterior applications.

### PRODUCT FEATURES

- ❖ Displays fast cure times with excellent adhesion characteristics to a variety of substrates / coatings.
- ❖ Can be spray or roll applied at temperatures ranging from -20-120°F and in high humidity.
- ❖ Will provide a glossy smooth finish when cured.
- ❖ 100% polyurea elastomer displays excellent UV, chemical, and abrasion resistance at a wide range of temperatures.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance contributed to high VOC levels that are found in most epoxies and polyurethanes.
- ❖ Versatile topcoat for use on both horizontal and vertical applications.
- ❖ Easy to mix 1:1 ratio.

### PRIMARY APPLICATIONS

- ❖ UV-stable top coat for Interior / Exterior use
- ❖ Aircraft hangar floors
- ❖ Low temperature equipment
- ❖ Maintenance facilities
- ❖ Offshore platforms
- ❖ Industrial shop floors
- ❖ Car washes or wash bays
- ❖ Secondary containment
- ❖ Wastewater treatment applications
- ❖ Patios and Pool Surrounds

### TEMPERATURE

-20°F - 120°F (-29°C - 49°C)

Optimal installation temperature is 40°F - 100°F (4°C - 38°C). Extreme cold applications may slow the cure time so plan accordingly. High heat and humidity will shorten work time.

### ADHESION RESULTS

ASTM D-4541 Elcometer

Concrete-no primer	concrete failure	>400psi
Concrete-primer	concrete failure	>550psi
Wood-no primer	wood failure/shear	>400psi

### PACKAGING

Product is sold CLEAR in a 2 gallon KIT (1 gal A, 1 gal B)

### TYPICAL PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	6000
Compressive Strength (psi Mpa)	ASTM D695	9400
Elongation	ASTM D412	100
Tear Strength (PLI)	ASTM 2240	330
Hardness, Shore D	ASTM D2240	73
Flexibility, 1/8" Mandrel	ASTM D1737	Pass
Falling Sand Abrasion Resistance	ASTM D 968	30
*Liters sand/ 1 dry mil		
Tabor Abrasion mg loss	ASTM D4060	
CSI7-Wheel	30 mg Loss per 1000 cycles	
Viscosity B side 75°C	CPS 1400-1500	
Viscosity A side 75°C	CPS 700-800	
Gloss	ASTM D-523	90+
Radiant Flux (CRF)	ASTM E 648	1.14 W/cm²

### TYPICAL PROCESSING PROPERTIES

1:1 Ratio	Tack Free - 1-3 hours
Relative Humidity-72°F-54%	Hard dry - 2-4 hours
	Recoat Maximum - 12 hours

### Recommended Coverages

Topcoat over Medical Basecoat	400 sf/gal	@3.2 mils DFT
Topcoat over Full Broadcast Quartz	125 sf/gal	@10.2 mils DFT
Topcoat over Full Broadcast 1/4" Chip	200 sf/gal	@6.4 mils DFT

### SURFACE PREPARATION

#### Old concrete

Sandblasting, diamond grinder w/30 grit or coarser, or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Do not apply to wet substrates. Chloride, moisture and pH levels should be checked prior to application.

#### New Concrete

The concrete should be allowed to cure for a minimum of 30 days unless using an Intégrité Coatings Moisture Stopping Primer. Sand blasting, diamond grinder w/30 grit or coarser or acid etching is required to remove the surface laitance that appeared during the curing process. Shot blasting is not suggested. Chloride, moisture and pH levels should be checked prior to application. Intégrité Coatings Basecoat can be used to reduce outgassing.

#### Aluminum, Galvanized Steel, Non-Ferrous Metals

All metals must be prepared to a near white surface that is equivalent to SSPC 10 or NACE 2. For immersion service, a 3 mil blast profile is recommended. A 2 mil profile is generally accepted. Intégrité Coatings Basecoat must be used as the adhesive primer on all metals prior to applying other coatings.

## Wood

Sand entire surface to remove any burs or rough spots that may affect the finish of the coatings. Make sure all nail/screw holes and joints are detailed using either Intégrité Coatings Fast Patch or Intégrité Coatings Fortification Formula prior to coating. Cotton mesh may be used to help bridge joints in moving substrates. Primer will be the **INTÉGRITÉ COATINGS BUILD COAT**. Intégrité Coatings Exterior Topcoat is not recommended as a high build primer on wood substrates.

## Existing Coatings

Cured coatings (beyond their re-coat windows) must be abraded via scuff sanding with 80-120 grit sandpaper prior to the application of Intégrité Coatings Exterior Topcoat. Wipe surface clean with a tack rag after a thorough vacuuming to perform a final cleaning.

## Substrate Repairs

All spalls and cracks should be chased out and repaired to ICRI standards using Intégrité Coatings Fortification Formula. Expansion joints should be honored.

## INSTALLATION RECOMMENDATIONS

Intégrité Coatings Exterior Topcoat adheres well to several sound substrates and coatings when properly prepared including but not limited to; concrete, steel, fiberglass, epoxy, urethanes, and polyureas. All surfaces should be free of loose particles, rust, voids, and spalls. It is recommended that this product be applied in a multi-directional (north, south, east and west) motion to help ensure proper coating thickness. **ALWAYS FOLLOW THE DEW POINT CHART AND APPLY ACCORDINGLY.**

## APPLICATION INFORMATION

Material should be pre-conditioned to a minimum of 50°F (10°C) prior to use. Thoroughly mix both the A and B side components using separate paddle mixers and a drill for a minimum of 1 minute to place the solids content evenly in suspension. This should be done prior to every use before combining the two components. Following the mix ratio of 1A:1B, combine the two components in a calibrated mixing container and blend together with a paddle style mixer and drill for at least 1 minute. Intégrité Coatings recommends a maximum batch size of 1 gallon, however larger quantities can be mixed depending on the scope of the project. Never mix more material than can be placed and finished in 20-25 minutes.

## Roller

Use only phenolic core, solvent resistant, natural or synthetic fiber roller covers. ¼" to 3/8" nap are acceptable, thicker nap may cause bubbling of the coating.

## Brush

Inexpensive natural fiber chip brushes are suggested – 2" to 4" width depending on the application. These will be one-time use items.

## Thinner

Intégrité Coatings Exterior Topcoat can be thinned with up to 10% Acetone by volume if a thinner coating is required.

## Clean Up

Use ACETONE to clean tools, etc. before product cures.

## SHELF LIFE AND STORAGE

Twelve (12) months in factory delivered unopened pouches. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards.

## REPAIRS AND MAINTENANCE

Re-application of the product after 12 hours of initial application requires sanding and cleaning to achieve optimum adhesion. Contact an Intégrité Coatings representative for site specific recommendations.

## LEED CREDITS

Most Intégrité Coatings products contribute to LEED Credits. See our LEED Credit Bulletin for more information.

## CERTIFICATIONS

VOC Compliant in all 50 states, Canada, Australia and Various Countries in Europe (National Standards – IMC)

USDA and FDA certified food safe for incidental food contact.

Radiant Flux Tested and Certified.

## SHIPPING INFORMATION

Flash Point:	17°C (63°F)
Weight/Gallon:	8.5 ±1.0 lbs.
DOT HAZARD CLASS	Class 3
DOT PACKAGING GROUP	II
DOT LABEL	Flammable Liquid
DOT SHIPPING NAME	Paint Related Material
DOT PLACARD	Flammable Liquid
UN / NA NUMBER	UN 1263

## SAFETY PRECAUTIONS

**DANGER!!** Vapor and Atomized liquids are harmful. Overexposure may cause lung damage, allergic skin reactions, or respiratory reactions. Effects may be permanent, may affect the brain or nervous system causing dizziness, headaches, or nausea. Use only in well ventilated areas, wear approved respirators when necessary. Keep out of reach of children. See MSDS for First Aid recommendations.

## WARRANTY

The technical data and any other printed information furnished by Intégrité Polyurea Coatings are true and accurate to the best of our knowledge. INTÉGRITÉ COATINGS EXTERIOR TOPCOAT™ conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller, therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. Intégrité Coatings makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

## Chemical Resistance

Acetic Acid 100% RC  
 Acetone R  
 Ammonium Hydroxide 50% RC  
 Benzene RC  
 Brake Fluid R  
 Brine saturated H<sub>2</sub>O R  
 Chlorinated H<sub>2</sub>O R  
 Diesel fuel R  
 Ethanol R  
 Gasoline R  
 Gasoline/5% MTBE R  
 Gasoline/5% Methanol R  
 Hydrochloric Acid 20% R  
 Hydrofluoric Acid 10% RC  
 Hydraulic fluid (oil) R  
 Isopropyl Alcohol R  
 Jet Fuel (JP-4) R  
 Lactic Acid RC  
 MEK R

Methanol R  
 Methylene Chloride C  
 Mineral Spirits R  
 Motor Oil R  
 MTBE C  
 Muriatic Acid 10% R  
 NaCl/H<sub>2</sub>O 10% R  
 Nitric Acid 20% RC  
 Phosphoric Acid 10% R  
 Phosphoric Acid 50% NR  
 Potassium Hydroxide 10% R  
 Potassium Hydroxide 20% R, Dis  
 Propylene Carbonate RC  
 Skydrol RC  
 Sodium Hydroxide 25% R  
 Sodium Hydroxide 50% R, Dis  
 Sodium Hypochlorite 10% R  
 Sodium Bicarbonate R  
 Stearic Acid R

Sugar/H<sub>2</sub>O R  
 Sulfuric Acid 10% R  
 Sulfuric Acid >50% R  
 Toluene R  
 1, 1,1-Trichlorethane C  
 Trisodium Phosphate R  
 Vinegar/H<sub>2</sub>O 5% R  
 H<sub>2</sub>O 14 days at 82° C R  
 Xylene R

### Chemical Resistance Key

R=recommended/little or no visible damage

RC=recommended conditional/some effect, swelling or discoloration

C=Conditional/Cracking-wash within one hour of spillage to avoid affects

NR=Not recommended

Dis=Discolorative



# DEW POINT CALCULATION CHART

Relative Humidity	Ambient Air Temperature- Fahrenheit										
	20	30	40	50	60	70	80	90	100	110	120
90%	18	28	37	47	57	67	77	87	97	107	117
85%	17	26	36	45	55	65	75	84	95	104	113
80%	16	25	34	44	54	63	73	82	93	102	110
75%	15	24	33	42	52	62	71	80	91	100	108
70%	13	22	31	40	50	60	68	78	88	96	105
65%	12	20	29	38	47	57	66	76	85	93	103
60%	11	19	27	36	45	55	64	73	83	92	101
55%	9	17	25	34	43	53	61	70	80	89	98
50%	6	15	23	31	40	50	59	67	77	86	94
45%	4	13	21	29	37	47	56	64	73	82	91
40%	1	11	18	26	35	43	52	61	69	78	87
35%	-2	8	16	23	31	40	48	57	65	74	83
30%	-6	4	13	20	28	36	44	52	61	69	77

## SURFACE TEMPERATURE AT WHICH CONDENSATION OCCURS

**DEW POINT:** Temperature at which moisture will condense on the surface. No coatings should be applied unless surface is a minimum of 5 degrees above this point. Temperature must be maintained during curing, or Temperature should be steady and falling, but never rising.

**EXAMPLE:** If air temperature is 70°F and relative humidity is 65%, the dew point is 57°F. No coating should be applied unless the surface temperature of the concrete slab is 62°F minimum.

# INTÉGRITÉ COATINGS SAMPLE MAKING

## SUBSTRATE OF CHOICE

All Intégrité Coatings samples are made on light colored **1/8" thick MDF**. The MDF offers a porous substrate that will help to absorb the coating similar to the way concrete does, and is light enough to use for transportable samples. It is easy to cut using a standard table saw with 60 tooth carbide blade and is readily available in varying sizes at hardware stores and lumber yards. The MDF has two smooth sides which allows for coatings to be applied to both sides.

**DO NOT USE 1/8" TEMPERED HARDBOARD, WHICH IS SIMILAR TO PEGBOARD BUT WITHOUT THE HOLES.**

This type of wood is very dark in color and has a hard film on the smooth side of the board that can cause coatings to fish-eye and separate. Also, because it is not porous, it does not allow the coatings to soak in which can lead to bubbling and peeling issues after cutting the samples to size.

## 1/4" FULL BROADCAST CHIP SAMPLES

- ❖ When mixing small amounts of the **Intégrité Coatings Basecoat**, always remember that the color tint is added at 12% by total volume. (Example: 24 oz of **Intégrité Coatings Basecoat** mixes with approximately 3 oz. of color tint)
- ❖ From a roller pan, apply the **Intégrité Coatings Basecoat** to the MDF until the board is evenly covered in a thin, opaque layer of coating. Roll the coating North-South, then again East-West to ensure that it is uniform throughout. Keep the roller on the sample the entire time – do not pick up and drop back in.
- ❖ Broadcast new (not recovered), clean chip to rejection as you would on a standard floor installation.
- ❖ Allow to cure, then tilt the board up to recover the chips. Scrape and vacuum to remove any loose chips.
- ❖ From a roller pan, apply the **Intégrité Coatings Topcoat** or **Intégrité Coatings Exterior Topcoat** (faster drying) to the sample to seal it off. Apply a similar amount (based on texture and feel) that would mimic the normal squeegee and backroll application used on a floor. Roll the coating North-South, then again East-West to ensure that it is uniform throughout. Keep the roller on the sample the entire time – do not pick up and drop back in.

## MEDICI TWO COLOR SAMPLES

- ❖ When mixing small amounts of the **Intégrité Coatings Medici Basecoat**, always remember that the color tint is added at 12% by total volume. (Example: 24 oz of **Intégrité Coatings Medici Basecoat** mixes with approximately 3 oz. of color tint)
- ❖ From the two-chamber Intégrité Coatings Dualie Roller Pan, apply the two color **Intégrité Coatings Medici Basecoat** to the MDF. Avoid over-working the material but rather leave slightly more defined color differences. Remember that this board should be representative of the finished product but will be cut up into smaller samples so each one will need to have some definitive accents on it to help sell the product.
- ❖ Allow the two color **Intégrité Coatings Medici Basecoat** to cure for at least 2 hours before applying the clear topcoat.
- ❖ From a roller pan, apply the **Intégrité Coatings Topcoat** or **Intégrité Coatings Exterior Topcoat** (faster drying) to the sample to seal it off. Apply this coating thin at about 400-500 sf/gallon - It will not take much to topcoat a 4' x 8' board.
- ❖ Anti-slip aggregate such as aluminum oxide can be broadcast into the wet topcoat if required. Always remember to backroll the aggregate in to disperse it evenly. To finish, roll the coating North-South, then again East-West to ensure that it is uniform throughout. Keep the roller on the sample the entire time – do not pick up and drop back in.

## SOLID COLOR SAMPLES

- ❖ When mixing small amounts of the **Intégrité Coatings Medici Basecoat**, always remember that the color tint is added at 12% by total volume. (Example: 24 oz of **Intégrité Coatings Medici Basecoat** mixes with approximately 3 oz. of color tint)
- ❖ From a roller pan, apply the **Intégrité Coatings Medici Basecoat** to the MDF until the board is evenly covered in a thin, opaque layer of coating. Roll the coating North-South, then again East-West to ensure that it is uniform throughout. Keep the roller on the sample the entire time – do not pick up and drop back in.
- ❖ Allow the **Intégrité Coatings Medici Basecoat** to cure for at least 2 hours before applying another color tinted coat.
- ❖ From a roller pan, apply the **Intégrité Coatings Medici Basecoat** to the MDF until the board is evenly covered in a thin, opaque layer of coating. Crossroll as necessary to produce an even, opaque finish.
- ❖ Anti-slip aggregate such as aluminum oxide can be broadcast into the wet coating if required. Always remember to backroll the aggregate in to disperse it evenly. To finish, roll the coating North-South, then again East-West to ensure that it is uniform throughout. Keep the roller on the sample the entire time – do not pick up and drop back in.



## RESIDENTIAL FLOOR COATING WARRANTY

Structure: \_\_\_\_\_ Owner: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Intégrité Coatings Installer: \_\_\_\_\_ Email: \_\_\_\_\_ Phone: \_\_\_\_\_  
Specification (System) : \_\_\_\_\_ Date of Project Completion: \_\_\_\_/\_\_\_\_/\_\_\_\_

Intégrité Polyurea Coatings, D/B/A Intégrité Coatings (hereinafter referred to as "Intégrité Coatings"), a Minnesota Corporation, represents and warrants that the materials manufactured by or for Intégrité Coatings and bearing the Intégrité Coatings label used in the installation of your project are free of defects at the time of sale.

The materials have been cured and tested in accordance with the standard Quality Control Procedures. When installed by an authorized Intégrité Coatings applicator, the materials are warranted for the lifetime of the coating against discoloration from UV exposure (where applicable), and for a pro-rated 20 years covering delamination from properly prepared substrates, peeling, cracking and/or blistering of the coating. Intégrité Coatings's sole liability is limited to replacement of any product shown to perform otherwise than as warranted within the twenty year period from the date of the application. This warranty is applicable to residential garages only and is dependent on the following conditions.

1. This warranty does not apply to any damages to the coating by physical abuse, failure of the structure or substrate, vandalism, modifications to the substrate the coating is being applied, mechanical impact damage, exposure to heat or flame, exposure to solvents and acids, windstorms, lightning, nails, screws, plant life, animal life, abuse of owners personal, or any other acts of God.
2. This warranty does not apply to damage due to gouging and other extensive damage beyond the scope and protections of the system applied, including impact and abrasion other than that for which the system was designed.
3. This warranty does not apply to damage caused by a hydrostatic water problem, moisture vapor permeating the concrete slab, or exposure to either battery acid or brake fluid. This warranty does not cover changes or oxidation of the coating as a result of normal weathering or atmosphere conditions. This warranty does not apply to improperly mixed products or out-dated materials.
4. This warranty does not apply to delamination caused by improper substrate condition, or an internal failure of the substrate.
5. This warranty does not apply to damage caused by cracks in the substrate prior to or occurring after the installation of the floor coating system that appear from ground shift and expansion/contraction of the substrate, cracking due to substrate movement is not under warranty regardless of whether same was repaired during original installation or not. There is no warranty for cracks or crack repair. Areas repaired under this warranty may vary in color and texture from areas originally installed which are not repaired. This limited warranty shall not apply in the case of improper substrate construction, exposure of the products to solvents and/or higher concentrations of acids other than that moisture from within, under or adjacent to the concrete surface.
6. Intégrité Coatings products must be applied on a properly prepared surface in accordance with standard Intégrité Coatings product specifications and application procedures. Proper concrete surface preparation is achieved by mechanical shot-blasting and/or grinding machines that remove all previous coatings, sealers, laitance, efflorescence, water repellants, curing compounds, oils, grease, fats, waxes, non-visible soluble salts and any other impediments to adhesion. This profile can also be achieved by acid washing and/or acid etching following the proper cleaning and flushing procedures as stated by the manufacturer. The resulting receiving surface must have a profile of 20 to 80 grit (CSP 2-3 via shot-blasting), a neutral pH of 7 and not exceed 3 pounds of moisture vapor transmission (MVT) over 24 hours per 1,000 sq.ft. using Anhydrous Calcium Chloride Tests.
7. This warranty does not extend to labor costs for inspection, testing or repair of the Intégrité Coatings system or any other labor costs.
8. Intégrité Coatings will not be liable for consequential or incidental damages of any kind including but not limited to damages to the structure or its contents resulting from defects in a Intégrité Coatings system. The obligation assumed under this warranty is expressly limited to providing such materials, as provided herein, required to repair any defects covered under this warranty agreement.
9. Intégrité Coatings's responsibilities under this warranty agreement cease if any alterations additions or repairs (excluding emergency repairs) are made except in accordance with specific written instructions from an Intégrité Coatings Representative.
10. Any notice of claimed defect in Intégrité Coatings materials shall be sent in writing by certified mail, return receipt requested, to Intégrité Polyurea Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449. Failure to notify Intégrité Coatings in writing as provided above of any such claimed defects within 30 days of discovery of the claimed defect shall void the warranty claim.

11. Purchaser shall allow Intégrité Coatings or an Intégrité Coatings Representative up to **SIXTY (60) DAYS** to inspect and provide replacement materials under this warranty. Intégrité Coatings may, at its request require photographs, invoice copies or other information about the claimed coating failure.
12. This warranty becomes effective only upon payment in full to an authorized Intégrité Coatings Distributor for all outstanding charges relating to this project and this warranty form is filled out completely and returned to Intégrité Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449 within **THIRTY (30) DAYS** of the completed project.

#### **LIMITATIONS**

INTÉGRITÉ COATINGS PRODUCTS AND THE INSTALLATION ARE SOLD SUBJECT TO THE EXPRESS LIMITED WARRANTIES CONTAINED HEREIN, THE LIABILITY OF INTÉGRITÉ COATINGS WHETHER BASED ON THIS WARRANTY, CONTRACT OR OTHERWISE, SHALL IN NO CASE EXCEED THE PURCHASE PRICE FOR THE PRODUCT AND DOES NOT INCLUDE INCIDENTAL OR CONSEQUENTIAL DAMAGES, SUCH AS BUT NOT LIMITED TO DAMAGE TO OR LOSS OF USE OF THE FLOOR OR ITS CONTENTS OR SURROUNDINGS OR LOSS OF TIME AND INCONVENIENCE.

INTÉGRITÉ COATINGS MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO PRODUCTS OR THE INSTALLATION, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED. SHOULD ANY REPAIR BE NEEDED, THIS WARRANTY IS LIMITED TO THE REPLACEMENT OF THE SYSTEM MATERIALS WHICH HAVE FAILED AND SPECIFICALLY EXCLUDES, WITHOUT LIMITATION, BODILY INJURY, LOSS OR USE OF PROPERTY, CONSEQUENTIAL DAMAGES AND PROPERTY DAMAGED AS A RESULT OF SUCH FAILURE, INTÉGRITÉ COATINGS SHALL SUPPLY ALL NECESSARY MATERIALS FOR REPAIRS MADE UNDER THIS WARRANTY, THE AUTHORIZED INSTALLER HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES OR RIGHTS OF SUBROGATION AGAINST INTÉGRITÉ COATINGS.

ANY DESCRIPTION OF THE GOODS CONTAINED IN THIS AGREEMENT OR MADE THE BASIS OF THIS AGREEMENT IS FOR THE SOLE PURPOSE OF IDENTIFYING THE GOODS, AND NO DESCRIPTION OF THE GOODS HAS BEEN MADE PART OF THE BASIS OF THE BARGAIN OR HAS CREATED AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY DESCRIPTION MADE BY SELLER. NO SAMPLE OR MODEL HAS BEEN MADE PART OF THE BASIS OF THIS AGREEMENT OR HAS CREATED OR AMOUNTED TO AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY SAMPLE OR MODEL EXHIBITED BY SELLER.

This warranty does not apply to salt-water applications or applications in which the coating is exposed to corrosive chemicals. The warranty does not apply to decks or pressure treated lumber or bathroom showers or tubs. The warranty does not apply to improper subsurface conditions such as rotten wood, improper concrete mixes and similar conditions which would cause lack of adhesion are also not covered under this warranty.

Intégrité Coatings does not warrant that the coating system will create a slip resistant surface. The surface may become slippery under certain conditions including but not limited to exposure to wet, oily or greasy conditions. In no event shall Intégrité Coatings be responsible for injury incurred in a slip and fall occurrence. It is the purchaser's responsibility to provide for their own safety and the safety of their guests and invitees.

This Limited Material Warranty will be effective pending the acceptance of the installed system by all parties, and after all paperwork and payment requirements have been met. This Limited Material Warranty supersedes any and all other warranties or representations whether written or oral, hereto made between the parties.

This executed Limited Material Warranty Agreement, along with proof of payment to an authorized Intégrité Coatings installer shall be returned to Intégrité Polyurea Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449, within 30 days of acceptance of the installed coating system.

This warranty is granted to the original purchaser or end-user and is not transferable to any other party nor to a subsequent purchaser of the property.

**PURCHASER ACKNOWLEDGMENT:**

Received, Read, & Acknowledged by: \_\_\_\_\_ Date: \_\_\_\_\_

### INSTALLER ACKNOWLEDGEMENT:

Received, Read, & Acknowledged, by: \_\_\_\_\_ Date: \_\_\_\_\_

*Authorized Intégrité Coatings Installer*

### PROJECT INFORMATION:

Customer Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Installers Names:

**INTÉGRITÉ COATINGS MATERIALS USED:**

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

### PROJECT DESCRIPTION:

Condition of Existing Concrete (Describe):

[illegible]

pH Testing Results:    /    /    /    /    /    /    /    /    /    /       Dew Point: Slab Temp:                      ° (F) (C)    Air Temp:                      ° (F) (C)

Average Air Temperature During Application: ° (F) (C) Average Humidity During Application: %

Coated Area (sq. ft.):                      Verticals (sq. ft.):                      Cove (LF)                      Steps: (Yes/No)

Floor Prep Time (Minutes- Including Repairs): \_\_\_\_\_ Prep Method: \_\_\_\_\_

Coating Time (Minutes): \_\_\_\_\_ Equipment Used: \_\_\_\_\_

**ADDITIONAL NOTES:**



## COMMERCIAL FLOOR COATING WARRANTY

Structure: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Project Manager: \_\_\_\_\_ Email: \_\_\_\_\_ Phone: \_\_\_\_\_  
General Contractor: \_\_\_\_\_ Email: \_\_\_\_\_ Phone: \_\_\_\_\_  
Intégrité Coatings Installer: \_\_\_\_\_ Email: \_\_\_\_\_ Phone: \_\_\_\_\_  
Specification: \_\_\_\_\_ Date of Project Completion: \_\_\_\_/\_\_\_\_/\_\_\_\_

Intégrité Polyurea Coatings, D/B/A Intégrité Coatings (hereinafter referred to as "Intégrité Coatings"), a Minnesota Corporation, represents and warrants that the materials manufactured by or for Intégrité Coatings and bearing the Intégrité Coatings label used in the installation of your project are free of defects at the time of sale.

The materials have been cured and tested in accordance with the standard Quality Control Procedures. When installed by an authorized Intégrité Coatings applicator, the materials are warranted for 5 years against discoloration from UV exposure (where applicable), delamination from properly prepared substrates, peeling, cracking and/or blistering of the coating. Intégrité Coatings's sole liability is limited to replacement of any product shown to perform otherwise than as warranted within the five year period from the date of the application. This warranty is dependent on the following conditions.

1. This warranty does not apply to any damages to the coating by physical abuse, failure of the structure or substrate, vandalism, modifications to the substrate the coating is being applied, mechanical impact damage, exposure to heat or flame, exposure to solvents and acids, windstorms, lightning, nails, screws, plant life, animal life, abuse of owners personal, or any other acts of God.
2. This warranty does not apply to damage due to gouging and other extensive damage beyond the scope and protections of the system applied, including impact and abrasion other than that for which the system was designed.
3. This warranty does not apply to damage caused by a hydrostatic water problem, moisture vapor permeating the concrete slab, or exposure to either battery acid or brake fluid. This warranty does not cover changes or oxidation of the coating as a result of normal weathering or atmosphere conditions. This warranty does not apply to improperly mixed products or out-dated materials.
4. This warranty does not apply to delamination caused by improper substrate condition, or an internal failure of the substrate.
5. This warranty does not apply to damage caused by cracks in the substrate prior to or occurring after the installation of the floor coating system that appear from ground shift and expansion/contraction of the substrate, cracking due to substrate movement is not under warranty regardless of whether same was repaired during original installation or not. There is no warranty for cracks or crack repair. Areas repaired under this warranty may vary in color and texture from areas originally installed which are not repaired. This limited warranty shall not apply in the case of improper substrate construction, exposure of the products to solvents and/or higher concentrations of acids other than that moisture from within, under or adjacent to the concrete surface.
6. Intégrité Coatings products must be applied on a properly prepared surface in accordance with standard Intégrité Coatings product specifications and application procedures. Proper concrete surface preparation is achieved by mechanical shot-blasting and/or grinding machines that remove all previous coatings, sealers, laitance, efflorescence, water repellants, curing compounds, oils, grease, fats, waxes, non-visible soluble salts and any other impediments to adhesion. The resulting receiving surface must have a profile of 20 to 80 grit (CSP 2-3 via shot-blasting), a neutral pH of 7 and not exceed 3 pounds of moisture vapor transmission (MVT) over 24 hours per 1,000 sq.ft. using Anhydrous Calcium Chloride Tests.
7. This warranty does not extend to labor costs for inspection, testing or repair of the Intégrité Coatings system or any other labor costs.
8. Intégrité Coatings will not be liable for consequential or incidental damages of any kind including but not limited to damages to the structure or its contents resulting from defects in an Intégrité Coatings system. The obligation assumed under this warranty is expressly limited to providing such materials, as provided herein, required to repair any defects covered under this warranty agreement.
9. Intégrité Coatings's responsibilities under this warranty agreement cease if any alterations additions or repairs (excluding emergency repairs) are made except in accordance with specific written instructions from an Intégrité Coatings Representative.



10. Any notice of claimed defect in Intégrité Coatings materials shall be sent in writing by certified mail, return receipt requested, to Intégrité Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449. Failure to notify Intégrité Coatings in writing as provided above of any such claimed defects within 30 days of discovery of the claimed defect shall void the warranty claim.
11. Purchaser shall allow Intégrité Coatings or an Intégrité Coatings Representative up to **SIXTY (60) DAYS** to inspect and provide replacement materials under this warranty. Intégrité Coatings may, at its request require photographs, invoice copies or other information about the claimed coating failure.
12. This warranty becomes effective only upon payment in full to an authorized Intégrité Coatings Distributor for all outstanding charges relating to this project and this warranty form is filled out and returned to Intégrité Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449 within **FOURTEEN (14) DAYS** of the completed project.

#### LIMITATIONS

INTÉGRITÉ COATINGS PRODUCTS AND THE INSTALLATION ARE SOLD SUBJECT TO THE EXPRESS LIMITED WARRANTIES CONTAINED HEREIN. THE LIABILITY OF INTÉGRITÉ COATINGS WHETHER BASED ON THIS WARRANTY, CONTRACT OR OTHERWISE, SHALL IN NO CASE EXCEED THE PURCHASE PRICE FOR THE PRODUCT AND DOES NOT INCLUDE INCIDENTAL OR CONSEQUENTIAL DAMAGES, SUCH AS BUT NOT LIMITED TO DAMAGE TO OR LOSS OF USE OF THE FLOOR OR ITS CONTENTS OR SURROUNDINGS OR LOSS OF TIME AND INCONVENIENCE. INTÉGRITÉ COATINGS MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO PRODUCTS OR THE INSTALLATION, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED. SHOULD ANY REPAIR BE NEEDED, THIS WARRANTY IS LIMITED TO THE REPLACEMENT OF THE SYSTEM MATERIALS WHICH HAVE FAILED AND SPECIFICALLY EXCLUDES, WITHOUT LIMITATION, BODILY INJURY, LOSS OR USE OF PROPERTY, CONSEQUENTIAL DAMAGES AND PROPERTY DAMAGED AS A RESULT OF SUCH FAILURE. INTÉGRITÉ COATINGS SHALL SUPPLY ALL NECESSARY MATERIALS FOR REPAIRS MADE UNDER THIS WARRANTY. THE AUTHORIZED INSTALLER HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES OR RIGHTS OF SUBROGATION AGAINST INTÉGRITÉ COATINGS.

ANY DESCRIPTION OF THE GOODS CONTAINED IN THIS AGREEMENT OR MADE THE BASIS OF THIS AGREEMENT IS FOR THE SOLE PURPOSE OF IDENTIFYING THE GOODS, AND NO DESCRIPTION OF THE GOODS HAS BEEN MADE PART OF THE BASIS OF THE BARGAIN OR HAS CREATED AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY DESCRIPTION MADE BY SELLER. NO SAMPLE OR MODEL HAS BEEN MADE PART OF THE BASIS OF THIS AGREEMENT OR HAS CREATED OR AMOUNTED TO AN EXPRESS WARRANTY THAT THE GOODS WOULD CONFORM TO ANY SAMPLE OR MODEL EXHIBITED BY SELLER.

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This Limited Material Warranty will be effective pending the acceptance of the installed system by all parties, and after all paperwork and payment requirements have been met. This Limited Material Warranty supersedes any and all other warranties or representations whether written or oral, hereto made between the parties.

This executed Limited Material Warranty Agreement, along with proof of payment to an authorized Intégrité Coatings installer shall be returned to Intégrité Coatings, attention Warranty Department, located at 3001 103<sup>rd</sup> Lane, NE Blaine, MN, 55449, within 14 days of acceptance of the installed coating system.

This warranty is granted to the original purchaser or end-user and is not transferable to any other party nor to a subsequent purchaser of the property.

**PURCHASER ACKNOWLEDGMENT:**

Received, Read, &amp; Acknowledged by: \_\_\_\_\_ Date: \_\_\_\_\_

### INSTALLER ACKNOWLEDGEMENT:

Received, Read, & Acknowledged, by: \_\_\_\_\_ Date: \_\_\_\_\_

*Authorized Intégrité Coatings Installer*

### PROJECT INFORMATION:

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Installers Names:

**INTÉGRITÉ COATINGS MATERIALS USED:**

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

BATCH#: LOT#:

### PROJECT DESCRIPTION:

Condition of Existing Concrete (Describe):

Existing Coating? \_\_\_\_\_ Reason for **NEW** Coating: \_\_\_\_\_ Blisters (Yes/No) \_\_\_\_\_

Calcium Chloride Moisture Test Readings: /

pH Testing Results:    /    /    /    /    /    /    /    /    /    /    Dew Point: Slab Temp:                      ° (F) (C)    Air Temp:                      ° (F) (C)

Average Air Temperature During Application: ° (F) (C) Average Humidity During Application: %

Coated Area (sq. ft.):	Verticals (sq. ft.):	Cove (LF)	Steps: (Yes/No)

Floor Prep Time (Minutes- Including Repairs): \_\_\_\_\_ Prep Method: \_\_\_\_\_

Coating Time (Minutes): \_\_\_\_\_ Equipment Used: \_\_\_\_\_

**ADDITIONAL NOTES:**

# COMMERCIAL WARRANTY COVERAGE BULLETIN

## GENERAL CONTACT INFORMATION

Intégrité Coatings requires the names and contact information of all the parties involved for reference information and record keeping. It is important for the installer and the manufacturer (Intégrité Polyurea Coatings) to know who the work is being done for and who the main contacts are. These names will also be important to have if there are any legal issues and the situation is brought to court. Record keeping can be the key to acquittals and avoiding fines.

## SPECIFICATIONS

Based on the needs of the project - interior/exterior, vehicle traffic/foot traffic, clean/chemicals, textured non-slip/smooth finish, etc. - Intégrité Coatings has designed specifications to handle the requirements and hold up to the abuse. The reason for doing this is making sure that the coating will perform like the customer expects it to. Installing a typical garage floor coating system because the commercial owner likes the look does not mean it will hold up to the demands of forklift traffic on a daily basis. The result could be premature wearing of the coating system and an unhappy customer. So, it is important that any contractor installing Intégrité Coatings materials is up to date on all **Intégrité Coatings Policies, Specifications and Installation Procedures**. We will also be updating the website frequently to allow contractors to learn the new techniques for installation, product tips, video clips and training manual paperwork. Any project specific questions can be fielded by an Authorized Intégrité Coatings Distributor.

## PROPER CONCRETE PREPARATION AND TESTING

This section relates more to the installing contractor than to the owner, but needs to be reviewed and followed before any coatings are installed. Keep in mind that the owner of the floor has a copy of the warranty, which clearly states that Intégrité Coatings requires mechanical abrasion either by shot-blasting or grinding of the concrete to an ICRI CSP 2-3 profile. Acid etching will not be considered an acceptable means of preparation under any circumstance for commercial applications. As all coating installers know, the longevity of the floor coating system installed is only as good as the concrete preparation and repair processes prior to coating. Moisture testing is also a requirement and all readings must be recorded on the warranty paperwork. Calcium chloride testing will be the standard practice for Intégrité Coatings commercial floor coatings as it provides more accurate, ASTM certified results. The maximum allowable amount of **MVT** for Intégrité Coatings coatings which is **3 lbs./1000 sf/ 24 hrs.**

## CALCIUM CHLORIDE TESTING

The anhydrous calcium chloride test was developed over 40 years ago to quantify the volume of moisture vapor radiating from a concrete slab surface over time. This test is directly specified by the vast majority of the Commercial Floor Covering Industry as the primary measure of moisture acceptability for floor covering installation. This test will record the amount of moisture that emits from 1,000 square feet of slab surface in 24 hours. The result is expressed as "pounds" which is the equivalent weight of water, emitted as vapor, over 1,000 square feet in 24 hours. Calcium chloride testing requires the use of a gram-weight scale with a gradation of 1/100th (0.01) gram. The standard number of tests that need to be completed will vary based on the scale of the project, but the following should be considered standard practice:

**(3) TESTS SHOULD BE COMPLETED FOR THE FIRST 1,000 SQUARE FEET, AND (1) TEST SHOULD BE COMPLETED FOR EACH ADDITIONAL 1,000 SQUARE FEET AFTER THAT, BASED ON ASTM F1869.**

The test results are **NOT AVERAGED** together but rather the **"HIGH" READINGS** determine if the slab is suitable for coatings. Floors containing higher MVT levels than acceptable will require the application of an **Intégrité Coatings Moisture Stopping Primer**. This will stop any moisture from coming up through the slab and guarantee long-term adhesion of the finished coating. All Intégrité Coatings systems are compatible for installation over the Intégrité Coatings Moisture Stopping Primers.

## pH TESTING

Testing the alkalinity of the concrete prior to coating is an essential step to determine if preventative measures are required. Testing for alkalinity is often overlooked but of extreme importance to a successful installation and like with moisture testing, it should be conducted on all floors regardless of the grade or age. ASTM F710 states that the surface of a concrete slab should be free of alkaline salts, and excessive carbonation or laitance prior to the flooring installation. ASTM F710 also states that a concrete slab surface pH test reading shall be taken at the same frequency and at each location in which a moisture test is performed. A maximum pH reading of 7 is allowed for standard Intégrité Coatings coating systems. Floors containing higher pH levels than acceptable will require the application of an **Intégrité Coatings Moisture Stopping Primer**, which are resistant to pH levels up to 14. All pH testing is to be completed with neutral balanced **DISTILLED WATER** only.

## DEW POINT / TEMPERATURE

The dew point is the temperature at which moisture will condense on the surface (concrete). No coating applications should take place unless the surface temperature is a minimum of 5 degrees above this point. The slab temperature at application must be maintained during the curing process, and should be steady or falling but never rising. Sometimes this requires careful planning to install coatings at the right time of day and keep an eye on weather patterns. Overhead doors and large windows may need to be closed and/or covered to avoid rising temperatures due to direct sunlight. Dew point must be measured and recorded, as well as all guidelines followed to ensure long-term coating adhesion. Coatings installed at the dew point can have limited penetration, outgassing issues, and fish eyeing due to the present moisture. Dew point charts and calculators are available at <http://www.lamtec.com/dew-point-calculator.htm>. Some Intégrité Coatings and repair materials have minimal temperature restrictions for application that must be followed to ensure proper curing and product characteristics. Always make sure to use the correct materials based on slab and ambient temperatures.

# COMMERCIAL PROJECT INSTALLATION GUIDE

## COMMERCIAL PROJECT NEEDS

Commercial projects range in size and complexity, as well as the traffic and abuse they will encounter. Floor coatings in these areas need to be designed to handle the wear and tear that forklifts, heavy machinery, and chemicals will cause. For this reason, Intégrité Coatings has created specific upgrades to our normal systems to allow them to perform in the harsh environments of commercial projects. Below are the additional coatings that Intégrité Coatings will require for warranty coverage for each type of system that we offer.

### SOLID COLOR, MEDICI TWO COLOR, AND PARTIAL BROADCAST CHIP FLOORS

-A primer coat of color tinted **Intégrité Coatings Basecoat** will be applied to the floor prior to the application of the **Intégrité Coatings Medici Basecoat**. This will increase the coating thickness and prolong the life of the floor.

### FULL BROADCAST CHIP, SINGLE AND DOUBLE BROADCAST QUARTZ FLOORS

-An additional coat of **Intégrité Coatings Topcoat** will be applied after the initial topcoat has been allowed to tack over. This will help to protect the chip and quartz by providing a thicker clear layer over the top. It will also reduce the texture which will help to reduce dirt and debris build up on the coating, making it easier to clean and keep clean.

Please contact your local Intégrité Coatings Representative for more information on Commercial Project Installations.

## ANTI-SLIP ADDITIVES

Floor texture and anti-slip properties become a lot more important in areas of heavy traffic, high volume of traffic, and exterior applications. Always make the customer aware of this fact, and the increased liability of slip/fall hazards. Provide the customer with samples of textured floors and make suggestions based on usage. As a general rule of thumb, all work to be completed on exterior projects should have aggressive anti-slip properties. For interior projects like car washes, packaging plants, and wet rooms the same will apply. Anti-slip aggregates are available in varying sizes to meet the demands of the project. Please contact your local Intégrité Coatings Representative for more information on available products.