

## QUALIFICATIONS

Only skilled contractors who are trained, experienced and familiar with two part polyurethane coating systems should use this product. Contractor must thoroughly read tech data sheet, label, application instructions and MSDS prior to application. In order to ensure maximum product performance and adhesion, it is recommended that a test area be applied prior to final installation. Preparation and application requirements are affected by many variables - contact manufacturer if there are any further questions prior to commencing application of the products.

## PREPARATION

Contractor should inspect surface to determine what preparation should be used to achieve the proper profile. All surfaces must be dry and in sound condition. Repair any loose or damaged areas.

It is necessary to remove all factory finishes, wax, oil, dirt, grease, dust, rust or other contaminants and foreign materials to ensure optimal adhesion and performance. New floors, concrete or floor covering will need to be fully cured and thoroughly stripped of all factory films. Strip clean and verify prior to application. Check moisture and pH, especially on concrete surfaces to determine acceptable levels. Moisture levels should not exceed 4 lbs or a pH level between 6.0 and 9.0. Levels above 6 lbs may require a moisture vapor barrier. **Delamination and discoloration are attributed to the presence of film barriers or trapped moisture.**

NOTE: A test patch should be laid on all surfaces prior to application. Test patch will ensure product compatibility, color, adhesion, resistance & desired finish. When using clear satin, spraying may be advisable so that an even sheen and finish can be achieved. If a variance in sheen is present then do not proceed.

For VCT, VAT, Vinyl sheeting, concrete and some tiles, inspect floors prior to application of GCR 1. Test a small area in the corner with the most build up. Testing indicates whether dilution is necessary or how many times the process needs to be done. For lighter applications, dilute at a ratio of 1:2 (1 part Stripper to 2 parts water).

Note: Comply with all local, state and federal regulations when working with VAT.

Protect all areas where application of GCR 1 Floor Stripper is not wanted. GCR 1 will remove paint and adhesives from baseboards, walls and loose tiles. Gloves should be worn and proper ventilation is necessary!

Apply GCR 1 with a mop to the floor working in sections. Wait 3 to 5 minutes before scrubbing begins. Using a stiff bristle brush or floor

scrubbing machine, start scrubbing the floor. Keep the floor wet by applying more product or water to area. It is important that the dirty solution does not dry back into the floor surface.

Pay attention to the build up in corners, seams and on rubber base where wax is more prevalent.

Pick up all solution with wet vacuum or mop. Make sure to thoroughly rinse and neutralize the mop before re-applying to floor. Clean water must always be used when neutralizing the floor. Floor must be completely dry before applying new material.

When the floor appears dull, chalky, flat and free of all contaminants and marks, then it is ready to coated with GCR 3 Clear Top Coat Finish.

Check moisture levels prior to coating. Moisture trapping may cause the coating to cure improperly and delaminate.

Caulk at base of perimeter walls with a paintable caulk prior to application, when necessary.

**Concrete:** Repair all defects and fill all voids, marks, protrusions or rough edges to provide a smooth, continuous surface finish. Allow all new concrete construction and repainted surfaces to cure completely before application - a minimum of 28 days. Always check concrete for moisture content and pH levels. Moisture content should be below 4 lbs. Conduct an acceptable industry moisture test, Calcium Chloride Test, ASTM F1869 or ASTM 4269 to determine rate of moisture vapor emission. The pH level should be between 6.0 and 9.0. Record temperature, moisture, and pH readings with project evaluation sheet prior to commencing project. For surface preparation, refer to SSPC-SP13/NACE 6. Chemical cleaning may be conducted provided that all surface contaminants can be removed thoroughly. Surfaces should be clean and dry. A conditioner, bonding primer or epoxy primer (GCR 42 Epoxy Primer) may be required in surfaces that may be subjected to moisture, higher pH levels as well as create a more suitable finish.

Contractor should inspect surface to determine what preparation should be used to achieve the proper profile. Surface must be thoroughly clean, dry and in sound condition. All oil, dirt, dust, rust, grease and other contaminants must be removed prior to application in order to ensure optimal adhesion.

Repair all structural defects and fill all voids, marks, protrusions or rough edges to provide a smooth, continuous surface finish. Floor patch may be used. Contact manufacturer for compatible systems.

It is recommended that a test patch be laid to ensure product compatibility, adhesion, color, resistance and desired finish on the surface.

All form release agents, salts, laitance, curing compounds, efflorescence and other contaminants must be thoroughly removed by shot-blasting, sandblasting, scarification or etching.

**Painted/Compatible Coatings:** Can be used over GCR 2 Base Coat and masonry conditioners. Lightly screen GCR 2 of any protrusions or loose chips. For painted surfaces, clean previously painted surface of all contaminants.

Comply with all local, State and Federal laws regarding surface preparation on painted surfaces.

Test an area to determine adhesion. If adhesion is poor, abrade the area, or if necessary, remove the previous coating.

## APPLICATION CONDITIONS

### Equipment:

**Power Mixer:** Jiffy Mixer powered by air or electric motor.

**Brush:** 2" natural bristle

**Roller:** 3/8" or 1/4" nap – tightly woven, non-shed, synthetic, phenolic core. A minimum of a 9" frame is recommended. A larger frame such as an 18" frame is recommended for larger applications and will achieve a more desirable finish. Remove all loose roller hair prior to application.

**Caulk:** Must use a paintable, adhesive caulk.

\* Spray applications can be used for GCR 3 Satin applications. Contact manufacturer for more specific directions.

### Application Conditions:

**Temp (air, surface, material):** 50°F-90°F.

**Relative Humidity:** 80% maximum

CAUTION: Temperature, humidity and direct exposure to sunlight directly affect pot life, performance, appearance and dry/cure times.

**KEEP PRODUCTS COLD PRIOR TO MIXING.**

Products exposed to heat will affect pot life and overall product performance. DO NOT CUT OFF AIR SUPPLY TO WARM, HUMID CONDITIONS! Area will create excessive moisture conditions that will prohibit the evaporation of water needed to dry and cure the coating. Fans, heaters and other means of air circulation are strongly suggested to create optimum results.

## MIXING

There should be three (3) parts to every 1 unit kit:

Part A - Activator

Part B - Base

Reducer - 16.9 oz. Reducer

All kits are pre-measured and shortfilled by weight. Kits yield the published coverage rates but may vary depending on application method and porosity of surface. Testing will establish coverage rates.

1. Stir Part B (Polyol) for approximately 2 minutes with jiffy blade at slow speed (500 rpm) to fully disperse the product.
2. Pour Part A (Activator) into Part B and mix for 3-4 minutes. Make sure to empty all of the contents from Part A. Scrape sides of can if necessary. Do not use water to drain contents. Stir thoroughly and make sure to scrape sides frequently. Allow the product to stand for 5 minutes @ 60°F to 80°F before reduction. Loosely cover. Do not reseal mixed product!
3. A pre-packaged reducer is included with all 1 unit kits. Slowly pour the Reducer into the coating. Stir constantly until the water is thoroughly mixed into the coating. Do not add all at once. Reduction will achieve the pot life, viscosity and wet edge time of application and reduces the likelihood of over coating. Contact manufacturer for information on reduction for larger kits.
4. Do not reduce catalyzed product after 30 minutes.
5. Important: Mark time to establish pot life. Pot life is 1.5 hours depending on humidity & temperature. Discard material after 2.5 hours. **Pot Life on accelerated GCR 3 is 30 to 45 minutes, depending on heat and humidity.**
6. Product should not be mixed with other products or other containers of GCR 3. Do not mix previously catalyzed material with new.

## INSTALLATION

**VCT, Rubber, Vinyl Sheeting, Tile, Previously Painted/Coated Floors:** Working in 4x4 sections. With a 2" brush, stripe coat perimeter walls with coating. Stripe coat only as far as keeping a wet edge. Before rolling, make sure that the roller cover has enough material on it. Knock off excess coating to avoid drips. Starting from the bottom edge to the top edge, in the same direction, roll a light coat at a thickness of 4-5 wet mils. Do not exceed 6 wet mils.

Once the area is completed, go back to starting point and rolling from the bottom edge to the top edge, lightly roll off any roller marks or heavy edges by lifting off at the end of each stroke.

This will assist in blending and achieving an even application. When rolling to edges, be sure not to overlap more than 1 inch. When starting each section, it is important to maintain a directional roll. Always go back to starting point. Coating sets up quickly and pulls easily. Over rolling can affect the level of sheen and finish. Watch for misses and dry roll marks. Allow coating to dry prior to any touch ups. When a snapping noise occurs or when the roller feels as though it is sticking to the floor, this means that the roller needs more coating or that the coating has exceeded the pot life

**Porous Surfaces:** Most porous surfaces will require a filler, sealer/ conditioner, or primer to adequately eliminate potential pinholes prior to applying GCR 3. Again it is critical that all contaminants are removed and that the surface is dry and moisture levels are acceptable. Check with manufacturer for further information. Apply coating as mentioned above. Pay special attention to uneven or rough areas. Over coating and undercoating can affect the performance and appearance of the coating. Test areas for proper mils thickness.

When applying two (2) coats, allow 8 hours between coats or until coating is tack free prior to final application.

**IMPORTANT:** Protect areas that are not to be coated. Coating will adhere to most surfaces and are extremely difficult to remove.

## LIMITATIONS

**NOTE:** Level of sheen and surface finish is dependent on application method. Over-rolling can sometimes pull the sheen and create an uneven finish and sheen. Avoid exceeding recommended mils thickness especially when overlapping material. Excessive mils build up can create a soft, flexible membrane which will prohibit the performance of the coating. The coating will need to be removed if this occurs.

Contact manufacturer for further instructions.

Surface must be void of all waxes, dirt, grime, scuffmarks, and films that would prevent proper adhesion.

New flooring must be stripped of all factory finishes and films.

Contractor should contact manufacturer for additional specifications.

- Do not allow material to dry onto surface, skin or hair.
- Remember that all new and previous finishes and other contaminants must be removed and void prior to the application of the coating. Discoloration and adhesion will occur.
- In all cases, MORE IS NOT BETTER! Cloudy appearances, yellowing and discoloration are the result of over coating. The micro-blisters will not adhere or perform.
- Apply coating in the same direction. Pay special attention to lap marks. Lift off at wet edges. This will minimize over coating as well as assist in achieving a more consistent finish.
- Any questions or problems prior to or during application should be addressed immediately. **DO NOT PROCEED WITH APPLICATION IF PRODUCT PROBLEMS ARE OCCURRING!!** Contact your distributor or manufacturer for assistance.

**Clean-Up:** Clean all equipment immediately. Clean material off skin and hair immediately with industrial soap and water.

Please read Material Safety Data Sheets (MSDS) carefully. Use only with adequate ventilation. Protect eyes and skin. Do not take internally. Do not use if you have had a prior reaction to polyisocyanate. **KEEP OUT OF REACH OF CHILDREN AND ANIMALS!!**

## MAINTENANCE

Once the GCR Floor product(s) have been applied, it is important that the maintenance instructions are carefully followed in order to maximize the life cycle of the system.

Protect all chairs, tables, and other objects that can severely scratch the coating with soft, durable guards. Sharp items can break the film and can cause delamination.

### General Cleaning:

To maintain your floor, use a damp mop, sponge or towel, and a neutral cleaner or mild ammonia-based product. Never use harsh chemicals, strippers, abrasives, cleaning liquids such as Mop&Glo or any liquid or paste wax.

Utilize all normal safety practices that apply to floor care. Immediately mop wet and soiled areas to avoid moisture trapping as well as injuries. Although GCR 3 is ADA compliant, wet and heavily soiled shoes and floors can be slippery when wet.

Contact the manufacturer for any further questions regarding the care and repairs of your floor system.

## WARRANTY

**Limited Warranty:** The liability of the Manufacturer and/or Distributor to the Buyer or a third party for any loss or damages whether direct or otherwise arising out of the purchase of product only from Seller by Buyer shall not exceed the total amount billed & billable to the Buyer of the Product hereunder.

In no event will Manufacturer and Seller be liable for any loss of profits, injuries or other special consequential damages even if Seller has been advised of the possibility of such damages. **Manufacturer does not cover labor.**

All Claims will be expressed in writing and investigated by distributor and manufacturer together prior to any reimbursement. A claim form will be completed and returned within 15 days of receipt. Failure to comply will result in forfeiting all said claims.

The foregoing limitation on liabilities is in lieu of all other warranties expressed or implied, including but not limited to those concerning merchantability & fitness for a particular purpose.