

5325 CRU Topcoat Sealer

Installation Guide

PRODUCT DESCRIPTION

5325 is a high solids, low viscosity, chemical resistant urethane with excellent wear and durability. The 5325 Urethane Topcoat is typically used over floor systems subject to specific chemical spillage and staining, applications requiring U.V. stability, and areas subject to mechanical wear.

RECOMMENDED COVERAGE RATES

**Sold in 2 Gallon Kit or 10 Gallon Bulk Kit* 200-300 SF/gal 400-600 SF/2 gal Kit

SUBSTRATE REQUIREMENTS

Concrete Priming

Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Concrete may need to be mechanically profiled and prepared by shot-blasting, grinding, or other means of scarification. All cracks, gouges, and other surface defects need to be addressed prior to coating installation. Substrate and ambient temperatures must be above 50°F (10°C) during installation. Relative humidity should not exceed 65% during installation of the coatings. Environmental conditions must not be near the dew point during installation of the coatings. Moisture vapor emission must be < 3lbs/24hr/1000 ft².

If moisture vapor emission is higher, contact a Versatile Building Products representative for an alternative coating system.

ADVICE BEFORE INSTALLATION

Cure time is affected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 60 minutes based on a 2-gallons mass at 75o F.

***Warning:** *Large masses of mixed and/or heated material will have a shorter pot-life.*

Hot Weather Tips

5325 has a shorter pot life in very hot conditions. Keep the material core temperature around 50-75o F if possible. *Icing the buckets hours before doing job or placing in a cool environment the day before application can help lower the core temperature.*

If instructions are not followed, excessive heat may cause outgassing, foaming, and hazing of 5325 where it has been applied too thick or where material settles into joints, etc. as well as a shorter pot life. *To reduce the effects of outgassing (vapor coming out of the substrate), install when the temperature is dropping from the highest temperature of the day.*

Cold Weather Tips

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5325 will have higher viscosity or may gel up in very cold conditions. Keep the material core temperature around 50-75o F if possible. Using a pail warmer hours before doing the job or placing in a warm environment the day before application can help increase the core temperature which will make the material thinner and easier to work with. If instructions are not followed, materials may get thicker during mixing, and may lead to foaming and hazing of 5325 where it has been applied too thick (avoid puddling in low spots) or where material settles into joints.

INSTALLATION STEPS

1. Surface Preparation

There are many methods of surface preparation for various substrates many of which are adequate for this application consult a Versatile representative for alternatives to the procedure outlined below and methods of correcting problematic and contaminated substrates.

Concrete-

All concrete shall be clean and bare. Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease contamination. Surface laitance and other potential upon breaking substances that could impair adhesion. All crack's gouges and other surface defects need to be addressed prior to coating installation. Substrate and Ambient temperatures must be above 35°F during the installation of coatings. Relative humidity should not exceed 65% during the installation of the coating. Environmental conditions must be near the dewpoint during the installation of coatings. Moisture Vapor Transmission of the substrate must not exceed 3 lbs per 1000 ft.² per 24 hours. For high MVT substrates consult with the Versatile representative for recommendation.

If the Concrete allows water to penetrate, then proceed to clean the surface with the V-100 Degreaser Cleaner using liberal amounts of oil stains and scrub until the water until no longer water beads up on on it

If the Concrete is not porous, does not dark and when wet it must be mechanically profiled and prepared by shotblasting grinding water jetting or other means of scarification to reduce a concrete surface profile CSP between two and four according to international concrete repair institute ICRI guideline number 03732

2. Preparation

- Shut off all sources of ignition prior to work, and throughout the Installation process.
- Supply auxiliary ventilation as necessary to produce a safe working environment.
- Use a NIOSH approved respirator capable of filtering organic vapors
- Because 5325 has such high gloss, be sure to remove dust from areas during application.

3. Mixing

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- Materials should be at room temperature 50 to 75°F.
- Mix 5325 CRU A component with 5350 CRU B component at ratios listed on the label for 2 to 3 minutes using a jiffy type Mixing Blade at no less than 700 rpm.
- Transfer mixed material to a second Mixing Versatile and mix an additional minute to ensure that material along the sides of the first mixing vessel are properly incorporated into the mixture be sure to mix thoroughly.
- Use a Brush, Lint Free roller, or Squeegee (preferable 1/16" squeegee for solid color topcoat) for application.

** Caution: If you are not familiar with the product, Do Not Mix more than 2 gallons at a time. The more you mix the shorter your pot life will be. This is a 2-component product, be sure to mix thoroughly.*

5. Application

- After mixing, pour a nice even consistent 4-5" wide ribbon across the floor surface.
- Use Squeegee to spread 5325 out evenly so the entire surface is coated evenly.
- Pour out additional ribbons on the surface as needed and make sure to keep a "Wet Edge" at all times.
- Walk back into the wet floor on spiked shoes to disperse any heave puddles of materials that are pooling.
- Keep a firm pressure on the trowel when spreading.
- Once 5325 is spread out evenly with the Squeegee, use an 18" x 3/8" Lint Free Roller to back roll the entire surface, keeping spread rate at 200-300 SF/gal. This will even out the gloss across the entire floor and should be done in the opposite direction you squeegee.

** Caution: If applied too thick (less than 150 SF/gal), foaming or blushing on the surface may occur. If back-rolled too late or over rolled as the product is setting or tacky, it may cause micro bubbles in the coating due to the coating setting up and becoming too thick to release bubbles caused by excessive rolling.*

4. Clean-up

- Immediately cleanup splatter marks and tools with MEK or Acetone. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

5. Cure Times

- 5325 can typically accept light foot traffic in 10-12 Hrs.
- Re-coat within 12-24 Hrs.
- Vehicular traffic with pneumatic tires in 72 hours.
- Full cure occurs in 5-7 days.
- Pilot lights and surrounding sources of ignition may be put back into service once solvent vapors have dissipated to a level below the lower explosion limit. Typically, this will take 6-10 hours after floor

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installation with adequate ventilation.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Keep mixed material in pail to achieve maximum working time instead of pouring bands on the floor.
- Do not apply at less than 150 SF per gal or excessive moisture entrapment may occur in wet film which may cause hazing.
- Do not force dry.
- Mask all areas that need protection.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Have all personnel who come in contact with liquids read The Versatile EPOXY, URETHANE, AND POLYASPARTIC 2K SAFETY GUIDE and Material Safety Data Sheets before commencing work.
- Store material at 50-75o F
- 5325 is combustible, DO NOT USE torch or flame after applying these products.

TECHNICAL SERVICES

- Technical services can be obtained by contacting Versatile directly at 714-829-2600.