

SPECGUARD X-CRETE 180 EPOXY WB EPOXY PRIMER SYSTEM

APPLICATION: X-Crete 180 WB EPOXY PRIMER is a fast drying low odor, water-borne clear crosslinked primer for concrete substrates. The product provides excellent adhesion to existing and new concrete and helps eliminate surface irregularities by sealing the surface of the concrete. Sealing the concrete can help minimize micro surface imperfections in the color basecoat and clear topcoat systems.

SURFACE PREPARATION: Surface preparation will vary depending on the type of concrete at site and in accordance to industry standards. A properly prepared surface is necessary for primer mechanical bonding. The surface must be deemed structurally and mechanically sound, clean, and dry. Recommended surface profile of CSP-2, Reference ICRI Technical Guideline No. 03732 prior to application. Mechanical grinding, sanding and acid etching can be used to achieve minimum 100-grit profile. The concrete must have cured for a minimum of 28 days. Moisture vapor emission in the concrete (MVE) must be less than 3-pounds per 1000 sq. ft. for 24-hour period. Calcium Chloride test ASTM F1869-98 is recommended. Optional test method can be performed by placing a 2'X2' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry under the plastic sheet, this is a good indication the substrate is dry enough to start coating.

PRODUCT MIXING: This product comes pre-packaged by weight. Kits should be mixed in their entirety. If partial kits are to be used, mix the products in accordance to the same weight mix ratios. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free, 3 minutes minimum.. This product is an emulsion product and should be mixed well before using.

PRODUCT APPLICATION: The mixed material can be applied by brush or roller, 3/8" nap. Always roll in (2) directions for best finish and full coverage. Maintain temperatures within the recommended ranges during the application and curing process. This product is designed for (1) coat when used as a primer, (2) coats when used as a sealer. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. Uneven application thicknesses may cause variations in gloss, therefore apply material as evenly in thickness as possible. It is best to test the coating before recoating or top coating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence.

TECHNICAL DATA, PHYSICAL PROPERTIES:

Product solids content: 40%
VOC Level: regulatory VOC = 100g/l
Pot Life: 30-45 minutes
Tack Free: 2-4 hours
Recoat time minimum: 4-5 hours
Maximum Re-Coat Window 24 Hours
Color when dry: Clear
Color when applied: Milky white
Finish: Stain Gloss
Final appearance: Clear
Abrasion Resistance: Good
Prepared concrete adhesion: Excellent
Foot traffic: 6-10 hours
Full Cure: 2-3 days (vehicles 3 days min)
Application temp: 55-90 degrees, with less than 85% relative humidity

APPLICATION COVERAGE RATES:

Coat 1: 280-300 sq ft per gal
Coat 2: 300-315 sq ft per gal
Two coats are recommended for proper coverage and a uniform appearance if used as a sealer.

PRODUCT RATION:

1 part A-side
3 parts B-side

MIXING: Combine Part A with Part B, mechanically mix with a power drill at low speed for approximately 3 minutes. No induction time is required prior to use.

PRECAUTIONS AND LIMITATIONS: Product appearance may be affected by humidity, low temperatures, chemical exposure, or sodium vapor lighting.

- For best results use a 3/8" nap roller.
- Substrate temperature must be 5°F above dew point
- New concrete must be cured for at least 28 days.
- Improper mixing or too thick of an application may result in product failure.

SHELF LIFE: 12 months unopened. Store at 40°F to 100°F (4°-38°C) in a covered area (out of the sun). Do not freeze.

Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.

SPECGUARD / NATIONAL SALES

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