

AWF EPOXY BASE COAT DATASHEET & INSTRUCTIONS

PRODUCT DESCRIPTION: AWF Epoxy Base Coat is a fast-drying low odor, water-borne clear crosslinked epoxy for concrete substrates. This product provides exceptional 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.



AWF Epoxy Base Coat is a clear, two-component epoxy/sealer designed to penetrate and seal porous concrete substrates to improve the surface profile of broadcast floor systems and grind and seal topcoats systems. When applied the **Epoxy Base Coat** is an opaque milky white and dries to an amber clear.

SURFACE PREPARATION: Surface preparation will vary, depending on the type of concrete at site and in accordance with industry standards. A properly prepared surface is mandatory for epoxy 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 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 an epoxy base coat, (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. The first coat must be tack free and cured before recoating or topcoating.

TECHNICAL DATA, PHYSICAL PROPERTIES:

Product solids content: 40%
VOC Level: regulatory VOC = 100g/l
Pot Life: 45-50 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: Gloss 60
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: 300-350 sq ft per gal
Coat 2: 350-400 sq ft per gal
Two coats are recommended for proper coverage and a uniform appearance if used as a sealer with no topcoat.

1.25 GALLON PACKAGING:

A=side 1- quart
B=side 1- gallon



PRODUCT MIXING: This product comes pre-packaged by weight. Kits should be combined in their entirety. If partial kits are to be used, mix the products in accordance to the same ratios as indicated on this data sheet. Once 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 must be mixed well before using.

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.
- If the material becomes thick while applying and sticking to the roller, the pot-life has been exceeded, do not continue.

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.