Technical Data Sheet

6/21/2019

Epoxy Concrete Sealer

Description: A 100% solids, two-component, self-leveling, non-voc clear epoxy sealer for sealing and water-proofing concrete, masonry, and wood surfaces

Intended Use: Ideal clear coating high traffic areas. A good primer for damp surfaces before applying a top coat.

Product features:
Resists industrial chemicals
Applies with brush or roller
Bonds to damp surfaces
Applies at temperatures as low as 40°F

Limitations: Not recommended for outdoor use

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Cured 7 days @ 75° F	
Application Coverage per Unit	**400 sq. ft.@ 8 mils**
Application Temperature	**40°F-90°F**
Color	**Clear**
Cure Hardness	**85D**
Cure Time	**Ft.traffic,24hrs.,full serv.72h**
Functional Cure	**24 hrs.**
Minimum Recoat Time @ 75F	**8-10 hrs.**
Mix Ratio	**2.2:1 by volume;2.8:1 by wt.**
Mixed Viscosity	**2,000 cps**
Packaging	**2 gal.**
Pot Life @ 75F	**40 min.**
Solids by Volume	**100**
Temperature Resistance	**Wet: 100°F; Dry: 180°F**

Surface Preparation:

For METAL SURFACES, use a wire brush or sandpaper to remove rust and scale from the surface to be protected. Surfaces may be shot blasted or abraded using a wire wheel for best results. All dirt, grease, and old paint should be removed. All clean dry surface is essential for the best results.

Begin with a sound, clean, dry and roughened, oil-free application surface, as it is essential to the success and performance of this product.

Spot test surface by mixing a small quantity of the resin and hardener without the silica filler. Apply the compound to a small, clean test area. Old paint may wrinkle or lift. If it DOES NOT, wait five (5) days and test the bond strength by scraping surface with a sharp instrument. A pressure-sensitive tape test can also be used as follows: cut an “X” into surface and place tape firmly over the cut. Remove the tape with a hard, fast pull. If the coating fails either test, proceed with instructions for previously coated concrete (see below).

For NEW POURED CONCRETE, allow to fully cure (28 days @ 70°F) prior to application. Remove any curing membrane by sanding or etching with a strong detergent.

For OLD CONCRETE, thoroughly clean surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shotblasting, sanding, or grinding. Proceed as for new poured concrete.

For PREVIOUSLY COATED CONCRETE, applications should be considered short term because the coating system is only as strong as its weakest component. Remove any peeling or degraded paint by sanding or using a paint stripper. For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss. Treat any areas worn down to the original concrete as bare concrete.

Mixing Instructions:

1. Pour hardener into resin.
2. Mix for about three (3) minutes using a propeller-type Jiffy Mixer Model ES (or equivalent) until a uniform color is achieved.

Application Instructions:

For best results, Epoxy Concrete Sealer should be stored and applied at room temperature.

PRIOR TO APPLICATION:
1. Fill large holes with a patching compound (Devcon Floor Patch or Devcon Ultra Quartz is recommended).

APPLICATION:
Apply Epoxy Concrete Sealer onto floor with a notched squeegee, then "back roll" for a smooth finish (a 3/8" or ½" nap roller is recommended for best results). Coverage will vary based on surface conditions.

After applying the first coat, the need for a second coat can be assessed based on floor condition and end user's objectives. When applying a second layer, the minimum recoat time recommendation is 8-10 hours.

Epoxy Concrete Sealer produces a smooth finish, which can be slippery, especially when wet. To prevent slipping, add a non-skid aggregate, such as ground walnut shells or dry sand, to the coating.

Storage:

Store at room temperature, 70 °F.

Compliances:

Approved in the U.S. for use in meat and poultry processing plants.
Accepted by Canadian Department of Agriculture Food Safety Service.

Chemical Resistance:

Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75°F)

1,1,1-Trichloroethane	Excellent	Methylene Chloride	Very good
Ammonium Hydroxide 20%	Very good	Phosphoric 10%	Very good
Cutting Oil	Very good	Phosphoric 50%	Poor
Gasoline (Unleaded)	Very good	Potassium Hydroxide 40%	Excellent
Hydrochloric 10%	Very good	Sodium Hydroxide 50%	Excellent
Hydrochloric 36%	Poor	Sodium Hypochlorite	Very good
Methanol	Poor	Sulfuric 10%	Very good
Methyl Ethyl Ketone	Poor	Sulfuric 50%	Poor

Precautions:

Please refer to the appropriate safety data sheet (SDS) prior to using this product.
For technical assistance, please call 1-855-489-7262
FOR INDUSTRIAL USE ONLY

Warranty:

ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

Disclaimer:

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Performance Polymers makes no representations or warranties of any kind concerning this data.

Order Information:

12560 2 gal.