Technical Data Sheet
Version 3. 04/2023

Floor Patch™ Resurfacer

Description: Self leveling, filled epoxy system for repairing heavily spalled concrete floors.

Intended Use: Industrial Use: For repairing heavily spalled, fragmented concrete floors.
A minimum thickness of 1/4" (6.35 mm) is recommended.

Features:
Self-leveling
Bonds to metal and concrete
Low shrinkage
Resists industrial chemicals and Mixes easily

Limitations: Suitability of product is determined by the end user for their application and process.
Recoat Procedure: See "Application Instructions"

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 (24°C)	Typical Values	Standard Tests
Compressive Strength	19,480 psi (134.3 MPa)	Compressive Strength ASTM D 695
Hardness	85 Shore D	Cured Hardness Shore D ASTM D 2240
Solids by Volume	100%	
Temperature Resistance	180°F (82°C)	

Uncured Properties @ 72°F (23°C)	
Application Temperature	50° - 90°F (10° - 32°C)
Color	Grey
Coverage (1/4" / 6.35mm)	55.5 in2/lb (790 cm2/Kg)
Functional Cure	24 hours
Minimum Recoat Time	6 hrs. @ 75°F (24°C) (See application instructions)
Mixed Density	16.7 lb/Gal (2.00 g/cm3)
Mixed Viscosity	5,000 cP
Pot Life	40 min. @ 75°F (24°C)
Resin / Hardener Mix Ratio	4.5 : 1 by Weight
Resin / Hardener Mix Ratio	4.2 : 1 by Volume
Resin/Hardener mix / Aggregate Ratio	1 : 3 by Weight
Resin/Hardener mix / Aggregate Ratio	1 : 1.25 by Volume

Surface Preparation:

For METAL SURFACES, use a wire brush or sandpaper to remover 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/21°C) 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:

---- Adequate ventilation is necessary when mixing this product.----

- Attach a propeller-type Jiffy Mixer Model ES to an electric drill.
- Shake Resin and hardener well before use.
- Add resin to pail and mix thoroughly until color is uniform.
- Add hardener into resin pail.
- Mix for about two (2) minutes, while continuously scraping material away from sides and bottom of container.
- Slowly and evenly, pour aggregate into liquid mixture and mix until a uniform texture is obtained.

Application Instructions:

-Pour immediately after mixing.
-Distribute material throughout the desired area while pouring.
-Immediately distribute material evenly throughout the repair area with a 1/4 " (6.4 mm) notched squeegee or equivalent.
-Allow to cure for 6 hrs. @ 75°F (24°C).
-Thoroughly wash and remove residue from surface with water and allow to dry prior to top coating.

CURE SCHEDULE:

Temp	Working Time	Functional Cure
55°F (13°C)	1 hour	36 hours
70°F (21°C)	40 min.	24 hours
80°F (27°C)	30 min.	20 hours
90°F (32°C)	20 min.	18 hours

RECOAT PROCEDURE:
After curing [6 hours] remove residue with water for maximum adhesion for applying any topcoat.

Storage:

Shelf life 3 yrs from manufacture. See package label. Store at room temperature, 70 °F (21°C)

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 (24°C)

Ammonia	Very good
Chlorinated Solvent	Very good
Hydrochloric 10%	Poor
Kerosene	Excellent
Methanol	Poor
Sodium Hydroxide 10%	Excellent
Sulfuric 10%	Poor
Toluene	Poor

Precautions:

FOR INDUSTRIAL USE ONLY: Please refer to the appropriate **S**afety **D**ata **S**heet prior to using this product.

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.

Order Information:

Item No.	**Package Size**
13130	41 lb. (18.6 kg)

Contacts:

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Disclaimer:

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