



A brand of ITW Polymers Adhesives North America

## Technical Data Sheet

1/25/2011

# Floor Patch™ Resurfacer

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

**Intended Use:** For repairing heavily spalled, fragmented concrete floors.  
A minimum thickness of 0.25" is recommended.

**Product features:**

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

**Limitations:** 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

<b>Application Temperature</b>	50° - 90°F
<b>Color</b>	Grey
<b>Compressive Strength</b>	19,480
<b>Cure Hardness</b>	85 Shore D
<b>Functional Cure</b>	24 hours
<b>Packaging</b>	41 lbs.
<b>Solids by Volume</b>	100
<b>Temperature Resistance</b>	180°F

### TESTS CONDUCTED

Compressive Strength ASTM D 695  
Cured Hardness Shore D ASTM D 2240

### Uncured

<b>Coverage / unit</b>	15.8 sq. ft. @ 0.25"
<b>Minimum Recoat Time</b>	6 hrs. @ 75°F (See application instructions)
<b>Mixed Density</b>	16.7 lbs./gal
<b>Mixed Viscosity</b>	5,000 cps
<b>Pot Life</b>	40 min. @ 75°F
<b>Resin / Hardener Mix Ratio</b>	4.5 : 1 by Weight
<b>Resin / Hardener Mix Ratio</b>	4.2 : 1 by Volume
<b>Resin/Hardener mix / Aggregate Ratio</b>	1 : 3 by Weight
<b>Resin/Hardener mix / Aggregate Ratio</b>	1 : 1.25 by Volume

**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:**

- 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 " notched squeegee or equivalent.
- Allow to cure for 6 hrs. @ 75°F.
- Thoroughly wash and remove residue from surface with water and allow to dry prior to topcoating.

**CURE SCHEDULE:**

Temp	Working Time	Functional Cure
55°F	1 hour	36 hours
70°F	40 min.	24 hours
80°F	30 min.	20 hours
90°F	20 min.	18 hours

**RECOAT PROCEDURE:**

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

**Storage:**

Store at room temperature, 70 °F.

**Compliances:**

None

**Chemical Resistance:**

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

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

**Precautions:**

Please refer to the appropriate material safety data sheet (MSDS) prior to using this product.

**For technical assistance, please call 1-800-933-8266**

**FOR INDUSTRIAL USE ONLY**

**Warranty:**

Devcon 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 Devcon makes no representations or warranties of any kind concerning this data.

**Order Information:**

**13130 41 LBS.**