



A brand of ITW Polymers Adhesives North America

Technical Data Sheet

1/25/2011

Floor Patch™

Description:	All-purpose concrete patching compound that bonds to concrete, brick, masonry, metal, or wood surfaces.
Intended Use:	Ideal for patching concrete, brick, masonry, floors, or retaining walls where the concrete has spalled. The material will also bond to wood and metal. Can be used to anchor bolts in concrete.
Product features:	<p>Easy to mix and apply Trowelable to 1/4" or more High compressive strength Resistant to water, oils, solvents, and alkalis</p>
Limitations:	None

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

Typical Physical Properties:	<p>Cured 7 days @ 75° F</p> <table border="0"> <tr> <td>Application Coverage per Unit</td> <td>4. sq.ft. @ 1/4"/10 lb.unit *</td> </tr> <tr> <td>Application Temperature</td> <td>60° - 90°F</td> </tr> <tr> <td>Chemical Immersion</td> <td>7 days @ 75°F</td> </tr> <tr> <td>Color</td> <td>Light Grey</td> </tr> <tr> <td>Compressive Strength</td> <td>8000 psi</td> </tr> <tr> <td>Cure Hardness</td> <td>85D</td> </tr> <tr> <td>Functional Cure</td> <td>16 hours @ 75°F</td> </tr> <tr> <td>Minimum Recoat Time @ 75F</td> <td>6 - 8 hrs.</td> </tr> <tr> <td>Mix Ratio</td> <td>5.5 resin.:1 hard (by wt.): 4.!</td> </tr> <tr> <td>Mixed Viscosity</td> <td>Putty - Paste</td> </tr> <tr> <td>Pot Life @ 75F</td> <td>45 min.</td> </tr> <tr> <td>Solids by Volume</td> <td>100</td> </tr> <tr> <td>Temperature Resistance</td> <td>Dry: 250°F; Wet: 120 °F</td> </tr> </table> <p>Uncured</p> <table border="0"> <tr> <td>Aggregate/Liquid Ratio</td> <td>6:1 by weight; 4:1 by volume</td> </tr> </table>	Application Coverage per Unit	4. sq.ft. @ 1/4"/10 lb.unit *	Application Temperature	60° - 90°F	Chemical Immersion	7 days @ 75°F	Color	Light Grey	Compressive Strength	8000 psi	Cure Hardness	85D	Functional Cure	16 hours @ 75°F	Minimum Recoat Time @ 75F	6 - 8 hrs.	Mix Ratio	5.5 resin.:1 hard (by wt.): 4.!	Mixed Viscosity	Putty - Paste	Pot Life @ 75F	45 min.	Solids by Volume	100	Temperature Resistance	Dry: 250°F; Wet: 120 °F	Aggregate/Liquid Ratio	6:1 by weight; 4:1 by volume
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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:

Spread Floor Patch™ over application area with a trowel. Spread back and forth to create the top layer. To produce a smooth finish, trowel again once product has thickened (approx. 20 minutes into pot life).

FOR A TRULY SMOOTH FINISH:

Dip trowel in water before each application to lessen build-up on trowel and break surface tension of epoxy. DO NOT pour water onto uncured epoxy.

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)

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

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:

13100 10 lb.
13120 40 lb.