



A brand of ITW Polymers Adhesives North America

## Technical Data Sheet

1/25/2011

# Floor Patch™ FC

<b>Description:</b>	A fast-curing, concrete patching compound that bonds to concrete, brick, masonry, metal, or wood and returns repair area to service in three hours.																																
<b>Intended Use:</b>	Fast curing repairs to concrete floors where you need to have medium to heavy traffic on the floor in 3 hours. Used to repair expansion joints which have been damaged by forklift traffic. Used to anchor metal rails in concrete.																																
<b>Product features:</b>	<p><b>Bonds to damp surfaces</b>  <b>Easily troweled to 1/4" or more</b>  <b>Applies on cold or damp surfaces (with primer)</b></p>																																
<b>Limitations:</b>	None																																
<b>Typical Physical Properties:</b>	<p><i>Technical data should be considered representative or typical only and should not be used for specification purposes.</i></p> <table border="0"> <tr> <td colspan="2"><b>Cured 7 days @ 75° F</b></td> </tr> <tr> <td><b>Application Coverage per Unit</b></td> <td><b>4.5 sq.ft. @ 1/4" thickness</b></td> </tr> <tr> <td><b>Application Temperature</b></td> <td><b>60° - 90°F</b></td> </tr> <tr> <td><b>Color</b></td> <td><b>Grey</b></td> </tr> <tr> <td><b>Compressive Strength</b></td> <td><b>8,000 psi</b></td> </tr> <tr> <td><b>Cure Hardness</b></td> <td><b>85D</b></td> </tr> <tr> <td><b>Functional Cure</b></td> <td><b>3hrs. @ 75°F /1hr. @ 85°F /4l</b></td> </tr> <tr> <td><b>Minimum Recoat Time @ 75F</b></td> <td><b>1 hr.</b></td> </tr> <tr> <td><b>Mix Ratio</b></td> <td><b>2:1 by wt.</b></td> </tr> <tr> <td><b>Mixed Viscosity</b></td> <td><b>Putty - Paste</b></td> </tr> <tr> <td><b>Packaging</b></td> <td><b>10 lb. Unit</b></td> </tr> <tr> <td><b>Pot Life @ 75F</b></td> <td><b>15 min.</b></td> </tr> <tr> <td><b>Solids by Volume</b></td> <td><b>100</b></td> </tr> <tr> <td><b>Temperature Resistance</b></td> <td><b>250°F</b></td> </tr> <tr> <td colspan="2"><b>Uncured</b></td> </tr> <tr> <td><b>Aggregate/Liquid Ratio</b></td> <td><b>4.47:1 by weight; 3:1 by volume</b></td> </tr> </table>	<b>Cured 7 days @ 75° F</b>		<b>Application Coverage per Unit</b>	<b>4.5 sq.ft. @ 1/4" thickness</b>	<b>Application Temperature</b>	<b>60° - 90°F</b>	<b>Color</b>	<b>Grey</b>	<b>Compressive Strength</b>	<b>8,000 psi</b>	<b>Cure Hardness</b>	<b>85D</b>	<b>Functional Cure</b>	<b>3hrs. @ 75°F /1hr. @ 85°F /4l</b>	<b>Minimum Recoat Time @ 75F</b>	<b>1 hr.</b>	<b>Mix Ratio</b>	<b>2:1 by wt.</b>	<b>Mixed Viscosity</b>	<b>Putty - Paste</b>	<b>Packaging</b>	<b>10 lb. Unit</b>	<b>Pot Life @ 75F</b>	<b>15 min.</b>	<b>Solids by Volume</b>	<b>100</b>	<b>Temperature Resistance</b>	<b>250°F</b>	<b>Uncured</b>		<b>Aggregate/Liquid Ratio</b>	<b>4.47:1 by weight; 3:1 by volume</b>
<b>Cured 7 days @ 75° F</b>																																	
<b>Application Coverage per Unit</b>	<b>4.5 sq.ft. @ 1/4" thickness</b>																																
<b>Application Temperature</b>	<b>60° - 90°F</b>																																
<b>Color</b>	<b>Grey</b>																																
<b>Compressive Strength</b>	<b>8,000 psi</b>																																
<b>Cure Hardness</b>	<b>85D</b>																																
<b>Functional Cure</b>	<b>3hrs. @ 75°F /1hr. @ 85°F /4l</b>																																
<b>Minimum Recoat Time @ 75F</b>	<b>1 hr.</b>																																
<b>Mix Ratio</b>	<b>2:1 by wt.</b>																																
<b>Mixed Viscosity</b>	<b>Putty - Paste</b>																																
<b>Packaging</b>	<b>10 lb. Unit</b>																																
<b>Pot Life @ 75F</b>	<b>15 min.</b>																																
<b>Solids by Volume</b>	<b>100</b>																																
<b>Temperature Resistance</b>	<b>250°F</b>																																
<b>Uncured</b>																																	
<b>Aggregate/Liquid Ratio</b>	<b>4.47:1 by weight; 3:1 by volume</b>																																
<b>Surface Preparation:</b>	<p>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.</p> <p>Begin with a sound, clean, dry and roughened, oil-free application surface, as it is essential to the success and performance of this product.</p> <p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																

**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™ FC 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
Chlorinated Solvent	Very good
Hydrochloric 10%	Very good
Kerosene	Excellent
Methanol	Fair
Sodium Hydroxide 10%	Very good
Sulfuric 10%	Very good
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:**

**13110 10 lb.**