



Floor Patch™ FC

Description:	A fast-curing, concrete patching compound that bonds to concrete, brick, masonry, metal, or wood and returns repair area to service in three hours.		
Intended Use:	Industrial Use: 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.		
Features:	Bonds to damp surfaces Easily troweled to 1/4" (6.35 mm) or more Applies on cold or damp surfaces (with primer)		
Limitations:	Suitability of product is determined by the end user for their application and process. Recoat Procedure: See "Application Instructions"		
Typical	Technical data should be considered representative or typical only and should not be used for specification purposes.		
Physical Properties:	Cured 7 Days @ 75°F (24°C)	Typical Values	Standard Tests
	Compressive Strength	8,000 psi (55 MPa)	Compressive Strength ASTM D 695
	Hardness	85 Shore D	Shore Hardness ASTM D2240
	Solids by Volume	100%	
	Temperature Resistance	250°F (121°C)	
	Uncured Properties @ 72°F (23°C)		
	Application Temperature	60° - 90°F (16° - 32°C)	
	Color	Grey	
	Coverage (1/4" / 6.35mm)	65.6 in2/lb (933 cm2/kg)	
	Functional Cure	3hrs. @ 75°F (24°C), 1hr. @ 85°F (29°C)	
	Minimum Recoat Time @ 75F (24C)	1 hr.	
	Mix Ratio	2:1 by weight	
	Mix Ratio Aggregate/Liquid Ratio	4.47:1 by weight; 3:1 by volume	
	Mixed Viscosity	Putty - Paste	
	Pot Life @ 75F (24C)	15 min.	
Surface Preparation:	<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. A 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/21°C) 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:	<p>---- Adequate ventilation is necessary when mixing this product.----</p> <ul style="list-style-type: none">- 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	Spread Floor Patch™ FC over application area with a trowel. Spread back and forth to create the top layer. To produce		

Instructions:	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:	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%	Very good
	Kerosene	Excellent
	Methanol	Fair
	Sodium Hydroxide 10%	Very good
	Sulfuric 10%	Very good
	Toluene	Poor
Precautions:	FOR INDUSTRIAL USE ONLY: Please refer to the appropriate <u>S</u> afety <u>D</u> ata <u>S</u> 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:	<u>Item No.</u> 13110	<u>Package Size</u> 10 lb. (4.5 kg)
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Disclaimer:	<p>Product Use: The information herein is based upon good faith testing that ITW PP believes are reliable, but the accuracy or completeness of such information is not guaranteed. Many factors beyond ITW PP control and uniquely within user's knowledge and control can affect the use and performance of an ITW PP product in a particular application. Given the variety of influencers on performance, the data here is not intended to substitute end user testing. It is the end users sole responsible for evaluating any ITW PP product and determining whether it is fit for a particular purpose and suitable for user's design, production, and final application.</p> <p>Exclusion of Warranties: As to the herein described materials and test results, there are no warranties which extend beyond the description on the face hereof. ITW PP makes no other warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. Since the use of the herein described involves many variables in methods of application, design, handling and/or use, the user, in accepting and using these materials, assumes all responsibility for the end result. ITW PP shall not otherwise be liable for loss of damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.</p>	