



Floor Patch™

|               |   |                                       |                                 |
|---------------|---|---------------------------------------|---------------------------------|
| Description:  | All-purpose concrete patching compound that bonds to concrete, brick, masonry, metal, or wood surfaces.   |                                       |                                 |
| Intended Use: | Industrial 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.   |                                       |                                 |
| Features:     | <b>Easy to mix and apply</b><br><b>Trowelable to 1/4" or more</b><br><b>High compressive strength</b><br><b>Resistant to water, oils, solvents, and alkalis</b>   |                                       |                                 |
| Limitations:  | Suitability of product is determined by the end user for their application and process.   |                                       |                                 |
| Typical       | Technical data should be considered representative or typical only and should not be used for specification purposes.   |                                       |                                 |
| Physical      | <b>Cured 7 Days @ 75°F (24°C)</b>   | <b>Typical Values</b>                 | <b>Standard Tests</b>           |
| Properties:   | Compressive Strength  | 8000 psi (55 MPa)                     | Compressive Strength ASTM D 695 |
|               | Hardness  | 85 Shore D                            | Hardness, Shore D ASTM D2240    |
|               | Solids by Volume  | 100%                                  |                                 |
|               | Temperature Resistance  | Dry: 250°F (121°C); Wet: 120°F (49°C) |                                 |
|               | <b>Uncured Properties @ 72°F (23°C)</b>   |                                       |                                 |
|               | Application Temperature   | 60 - 90°F (16 - 32°C)                 |                                 |
|               | Color   | Light Grey                            |                                 |
|               | Coverage (1/4" / 6.35mm)  | 60 in2/lb (855 cm2/Kg)                |                                 |
|               | Functional Cure @ 75°F (24°C)   | 16 hours                              |                                 |
|               | Minimum Recoat Time @ 75F (24°C)  | 6 - 8 hrs.                            |                                 |
|               | Mix Ratio Resin/Hardener  | 5.5:1 weight. 4.5:1 volume            |                                 |
|               | Mix Ratio Aggregate/Liquid Ratio  | 6.67:1 by weight                      |                                 |
|               | Mixed Viscosity   | Putty - Paste                         |                                 |
|               | Pot Life @ 75F (24°C)   | 45 min.                               |                                 |
| Surface       | <b>Concrete &amp; Masonry:</b> Begin with a sound, clean, dry and roughened, oil-free application surface, as it is essential to the success and performance of this product. For proper surface preparation, refer to Concrete or Masonry Surface Preparation as detailed by: <b>SSP/NACE SSPC-SP13/NACE 6</b> , or <b>ICRI No. 310.2R, CSP 3-5</b> . for proper surface preparation guidelines.   |                                       |                                 |
| Preparation:  | Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 3-5<br>Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2 or ICRI No. 310.2R, CSP 3-5<br><br>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. Remove any laitance if present.<br><br>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.<br><br>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.<br><br><b>Metal:</b> If metal is also being coated, <b>Primer is required</b> . It is recommended to 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. A clean dry surface is essential for the best results. A metal primer is required and is sold separately. See <b>SSPC-SP1</b> or <b>SSPC-SP10/Nace2</b> for metal cleaning. Optimal profile 2 mils / 50 microns<br><div>Atmospheric: SSPC-SP6/NACE 3, ISO 8501-1 SA2 ,2 mil (50 micron) profile<br/>Immersion: SSPC-SP10/NACE 2, ISO 8501-1 SA2.5, 2-3 mil (50-75 micron) profile</div> |                                       |                                 |
| Mixing        | ---- Adequate ventilation is necessary when mixing this product.----  |                                       |                                 |
| Instructions: | Mix the liquids (Resin + Hardener) in its totality for 2 minutes.<br>From the mixed liquids put aside around 15% of weight to be used as a primer. <b>(40lb. - 408g/0.9lb.); (5Kg/10lb. - 112g/0.25lb.)</b><br>Please be aware that the pot life of the primer is fast and should not last more than <b>15 minutes at room temperature</b> .<br>The remaining of the liquids should be mixed with the aggregate.<br>Using a Jiffy Mixer HS thoroughly mix the liquids and the aggregate making sure to scrape the edges.  |                                       |                                 |

**Application Instructions:**

Using a brush or a roller, apply the primer over the application area.  
Spread Floor Patch™ over the primed area with a trowel. Spread back and forth to create the top layer. To produce smooth finish, trowel again once product has thickened.

**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 | Toluene | Poor |
| Chlorinated Solvent  | Very good |         |      |
| Hydrochloric 10%     | Very good |         |      |
| Kerosene             | Fair      |         |      |
| Perchloroethylene    | Fair      |         |      |
| Sodium Hydroxide 10% | Very good |         |      |
| Sulfuric 10%         | Very good |         |      |

**Precautions:**

**FOR INDUSTRIAL USE ONLY:** Please refer to the appropriate **Safety Data Sheet** 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> | <u>Package Size</u> |
|-----------------|---------------------|
| 13100           | 10 lb.              |
| 13101           | 5 Kg (EMEA)         |
| 13120           | 40 lb.              |

**Contacts:**

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