Devcon®

Technical Data Sheet
Version 5. 07/2025

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:
Easy to mix and apply
Trowelable to 1/4" or more
High compressive strength
Resistant to water, oils, solvents, and alkalis

Limitations: Suitability of product is determined by the end user for their application and process.

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 (24°C)	Typical Values	Standard Tests
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)	

Uncured Properties @ 72°F (23°C)	
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 Preparation: **Concrete & Masonry**: 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: **SSP/NACE SSPC-SP13/NACE 6**, or **ICRI No. 310.2R, CSP 3-5**. for proper surface preparation guidelines.

Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 3-5
Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2 or ICRI No. 310.2R, CSP 3-5

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.

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.

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.

Metal: If metal is also being coated, **Primer is required**. 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 **SSPC-SP1** or **SSPC-SP10/Nace2** for metal cleaning. Optimal profile 2 mils / 50 microns

Atmospheric: SSPC-SP6/NACE 3, ISO 8501-1 SA2 ,2 mil (50 micron) profile
Immersion: SSPC-SP10/NACE 2, ISO 8501-1 SA2.5, 2-3 mil (50-75 micron) profile

Mixing Instructions: ---- Adequate ventilation is necessary when mixing this product.----

Mix the liquids (Resin + Hardener) in its totality for 2 minutes.
From the mixed liquids put aside around 15% of weight to be used as a primer. **(40lb. - 408g/0.90lb.); (10lb. - 102g/0.23lb.)**
Please be aware that the pot life of the primer is fast and should not last more than **15 minutes at room temperature**.
The remaining of the liquids should be mixed with the aggregate.
Using a Jiffy Mixer HS throughly 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
Chlorinated Solvent	Very good
Hydrochloric 10%	Very good
Kerosene	Fair
Perchloroethylene	Fair
Sodium Hydroxide 10%	Very good
Sulfuric 10%	Very good

Toluene	Poor

Precautions:

FOR INDUSTRIAL USE ONLY: Please refer to the appropriate **S**afety **D**ata **S**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:

Item No.	Package Size
13100	10 lb.
13120	40 lb.

Contacts:

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Disclaimer:

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.

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