

FLOOR PATCH

PRODUCT INFORMATION

	<u>Stock No.</u> 13101	<u>Package Size</u> 5kg
Description	Multi-purpose concrete patching compound that bonds to concrete, brick, masonry, metal or wood surfaces.	
Recommended Applications	<ul style="list-style-type: none"> • Authorised by USDA for use in generally inspected meat and poultry plants • Ideal for patching concrete, brick, masonry, floors, • Use on retaining walls where the concrete has spalled • Can be used to anchor bolts in concrete. 	

PRODUCT DATA

Typical Physical Properties	Colour	Grey		
	Mix Ratio by Volume	4.5:1		
	Mix Ratio by Weight	5.5:1		
	% Solids by Volume	100		
	Pot life at 25°C/ mins	45		
	Specific Volume CC/Kg	540		
	Cured Shrinkage cm/cm	N/A		
	Specific Gravity	1.85		
	Temperature resistance / °C	Max 120°C		
	Coverage	0.45m ² /Unit @ 6mm		
	Cured Hardness / Shore D	85D		
	Thickness per Coat / mm	As Required		
	Functional Cure Time /Hours	8		
	Recoat Time /Hours	N/A		
Mixed Viscosity /cps (where applicable)	Putty			
Chemical Resistance	7 days room temperature cure (30 days) - Testing carried out 30 days immersion at 21°C			
	Ammonia	Very Good	Methylene Chloride	Poor
	Cutting Oil	Excellent	Sodium Hypochlorite 5% (Bleach)	Very Good
	Isopropyl Alcohol	Poor	Sodium Hydroxide 10%	Very Good
	Gasoline (Unleaded)	Excellent	Sulphuric Acid 10%	Very Good
	Hydrochloric Acid 10%	Very Good	Xylene	Very Good
	Methyl ethyl Ketone (MEK)	Poor		
	Excellent = +/- 1% weight change			
	Very Good = +/- 1-10% weight change			
	Fair = +/- 10-20% weight change			
Poor = > 20% weight change				



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APPLICATION INFORMATION

Cure	Functional cure is achieved in 8 hours with a full cure resulting after 16 hours at 25°C. At elevated temperatures it is possible to reach a 'walk-on' cure in 6-8 hours.
Surface Preparation	<p>Proper surface preparation is essential to the success and performance of Devcon Floor Patch. In all cases, the application surface must be sound, rough, clean, oil-free and dry.</p> <p>New poured concrete should be allowed to cure fully (28 days @ 21°C) prior to application. If a curing membrane was used, it must be removed, by abrasive blasting, jet washing. If no curing membrane was used, the surface should be etched using an environmentally safe acid etch.</p> <p>Old concrete application procedures are the same as for new concrete, except it is essential to thoroughly clean the surface. Use suitable detergent to remove grease and oils. All loose or unsound concrete should be removed by suitable mechanical means such as scarifying, abrasive blasting, grinding or high pressure jetting.</p> <p>Previously coated concrete applications should be considered short term because the coating system is only as strong as the weakest component in the system. Paint that is peeling or degrading in any way should be removed completely by sanding or using paint stripper. If the paint is intact, the surface should be cleaned thoroughly with a strong detergent and sanded lightly to remove the gloss. Any areas where the finish has worn down to the original concrete should be treated as bare concrete.</p> <p>To ensure that Floor Patch will bond to the old surface, a spot test should be made. Mix a small quantity of the epoxy resin and hardener and apply the compound to a small, clean test area. The old paint may wrinkle or lift off. If it doesn't, wait 5 days and test the bond strength of the application by scraping with a sharp instrument, or use the pressure-sensitive tape test as follows: cut an X into the surface, place the tape firmly over the cut and remove the tape with a hard, fast pull. If the coating fails either test, remove the old finish by sanding or by using a paint stripper.</p>
Mixing	To achieve a cured material similar to the colour concrete, mix the resin until the grey colour is uniform throughout the pail. If mixing indoors, adequate ventilation should be available. Pour hardener into the resin pail, and mix for about two minutes, being careful to mix the material from the bottom and sides of the container. Then mix the aggregate into the liquid using a power tool until a uniform texture is obtained. Using less silica than provided will produce a pourable mixture. Floor Patch can also be mixed by hand on a mortar board or a clean, flat mixing surface, once the aggregate has been added.
Application	Spread mixed Floor patch over the application surface with a trowel. To produce a more pourable patching material, only add a partial amount of the aggregate to the resin/hardener mixture to your desired consistency. This will allow a more pourable patch to fill in small cracks.
Shelf life & Storage	A shelf life of 3 years from date of manufacture can be expected when stored at room temperature (22°C) in their original containers.
Precaution	For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.
Warranty	ITW Devcon will replace any material found to be defective. As the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	<p>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.</p> <p>For product information visit www.bigagroup.com / www.devconeurope.com alternatively for technical assistance please call +385 52 880 882 or send an e-mail to biga@biga.hr.</p>



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