



11803 N Saguaro Blvd #14 | Fountain Hills, AZ 85268

Crack Filler

PRODUCT DESCRIPTION AND USE

Our Crack Filler is a modified rigid polyurethane designed to penetrate and fill small cracks, or even larger holes in conventional concrete. Our relatively low viscosity formulation allows our product to penetrate into the pores of concrete creating a very tough matrix that can last for years. And because our crack filler is also heavily cross-linked this creates a very hard and semi-elastic material. The final cured product is one that will outlast most coatings that will be applied over it.

Due to the heavy cross-linking and polymer matrix, other industrial concrete coatings should have no issue adhering to our product. Epoxies, Polyaspartics, Polyurethanes, Acrylics, etc... adhere without issue. Though you should always perform a test when using a new product.

Chemical Composition

Our formulation is based on an average 330 molecular weight polyether polyol. This is a relatively low molecular weight, which leads to a very rigid polyurethane matrix.

Limitations

- Do not apply to wet or moist areas, polyurethanes foam/expand when reacting with excess water.
- Do not apply in temperatures below freezing without some sort of heating component to ensure a proper cure.
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TECHNICAL DATA

Physical Properties	Test Method	Average Value
Shore Hardness	ASTM D2240	72D
Elongation	ASTM D638	5%
Tensile Strength, psi	ASTM D638	4500
Compressive Strength, neat, psi	ASTM D695	3700
Compressive Strength, sand filled, psi	ASTM D695	4400
Shrinkage	ASTM D695	none
Exudation		None
Bond Strength, concrete, psi	ASTM D4541	Concrete Failed
Viscosity, neat, cps @ 25°C (77°F)		150
VOC, g/l		2.5
Working Time @ 25°C (77°F)		2.5-4 Minutes 5-6 Minutes w/Sand
Tack Free @ 25°C (77°F)		30 Minutes
Walk On @ 25°C (77°F)		40-45 Minutes
Return to Use @ 25°C (77°F)		45-60 Minutes

WARRANTY INFORMATION

Mirabel Coatings guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. MIRABEL COATINGS, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Mirabel Coatings, Inc. shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Mirabel Coatings, Inc. shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

