



EMS JOINT FILLER

PRODUCT DESCRIPTION AND USE

EMS Joint Filler is a specially formulated, non-shrinking, flexible epoxy used for filling joints and cracks in concrete that is to receive the EMS coating system. It is cured with a hydrophobic curing agent that allows it to cure fully in the wet, alkaline environment found in concrete with moisture problems. EMS Joint Filler is modified with a novel raw material that is able to provide flexibility with minimal effect on the water and alkalinity resistance of the material. EMS Joint Filler contains no plasticizers, phenols or unreacted amines that could migrate out of the cured material and compromise its performance.

Chemical Composition

Internally flexibilized Bisphenol A epoxy crosslinked with a hydrophobic amine curing agent.

Colors

Available in clear only.

Limitations

- Excessive substrate movement can cause hairline cracking.

TECHNICAL DATA

Physical Properties

Mixing Ratio, by Volume	Supplied in pre-measured kits only
Solids Content	100%
Volatile Organic Compounds.....	None
Pot Life (one quart mass at 77°F).....	40 minutes
Cure Times (77°F)	
Dry to touch	6 hours
Coat with EMS.....	8 hours

Performance Properties

Hardness, Shore D (ASTM D-2240)	65
Permeability (ASTM E-96)	results pending
Resistance to alkalinity, (ASTM D-1308) (casting exposed to 35% solutions of Potassium and sodium hydroxide for 60 days)	No visual change, 0.14% weight gain
Adhesion to wet concrete (ASTM D-4541) 450 psi-concrete fails before loss of bond.	

WARRANTY INFORMATION

Arizona Polymer Flooring 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. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring 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.

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

GENERAL INFORMATION

Surface Preparation

Cracks wider than 1/16 inch should be routed out to 1/4 inch width. Joints must be shot blasted and vacuumed clean.

Mixing Instructions

EMS Joint Filler is packaged in pre-measured kits. **Proper proportioning and homogenization are absolutely critical for success.** The product is available in 3/4 gallon, 1 1/2 gallon and 3 gallon kits. Pour the entire contents of Part B into the Part A container. Use a wooden stir stick to get all of the Part B out of the container. **Mix the two components for 2 full minutes by the clock using a mixing drill. Do not attempt to hand mix.** Be sure to move the drill around the mixing container scraping the sidewalls and bottom.

Application Instructions

EMS Joint Filler should be used to fill control joints, cracks and expansion joints. All joints must be filled completely from bottom to top. Use a putty knife or mixing stick to place the material. Material may also be put into a caulking gun and placed that way. If joint is overfilled, scrape smooth with a putty knife or flat trowel.

Honor all moving joints and do not bridge with floor covering materials. When remediation is to be done under polymer flooring, mark all moving joints and recut after polymer flooring has been installed. Saw cuts must be a minimum 1/4 inch wide and 1 inch deep.

Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.