



**DESCRIPTION**

**MF8190** is two component 100% solids epoxy odorless and VOC compliant crack filler designed to repair vertical or horizontal cracks, for indoor or outdoor application (must be recoated). Apply with a spatula or trowel. Malleable can also be used to form small cove at wall and floor junction without sagging (the addition of clean aggregate to the mix may ease application). If there is water vapour transmission condition and more than 4 lbs. per 1,000 sq. ft. per 24 hour period, use MF 8160 Vapor barrier crack filler.

**APPLICATIONS**

- Residential
- Commercial
- Industrial
- Pharmaceuticals - Hospital

**ADVANTAGES**

- Interior applications without harmful odors
- Low VOC (LEED Project)
- Cove wall and floor junction application
- Can be used on large vertical surfaces
- Waterproof and seamless
- Dense surface resistant to bacteria and moisture and easy to clean
- Hight traffic resistance
- Various surface application

**LIMITATIONS**

- Must be topcoated
- Moisture of the concrete slab must be at 4% or below.
- Not designed for hydrostatic
- Not recommended for active cracks
- Avoid dew point

**TECHNICAL INFORMATION**

**FORMATS:**  
Kit of 1 gallon.  
**MIXING RATIO:**  
Resin: 2 parts A / Activator: 1 part B  
**SHELF LIFE:**  
1 year in sealed container  
**COMPRESSIVE STRENGTH:**  
8000-9000 psi, ASTM D695  
**TENSILE STRENGTH:**  
≈ 7100 PSI @ ASTM D638  
**VISCOSITY:**  
Resin: Paste/ Activator: Paste  
**VOC** <100 g/l

**CHARACTERISTICS**

**SOLIDS IN WEIGHT:** 100% (+/- 1%)  
**COLOUR:** White  
**COVERAGE AND THICKNESS:**  
1/8in x 1/8in cracks = ~ 1100 linear feet per gallon / 11.3 ml/m  
Wall/floor junction with 1in radius ≈ 38 linear feet per gallon / 327 ml/m  
**APPLICATION TEMPERATURE**  
10°C - 30°C with HR below 85%  
**DRY TIME:**  
**(21°C / 70°F @ 50% HR)**  
Pot Life.....20-25 minutes  
Touch Free.....4-6 hours  
Recoat Time.....2-3 hours  
Light Traffic.....12-24 hours

**INSTRUCTIONS**

**STORAGE:**  
**MF8190** should be stored in dry place, at a temperature between 15 ° C and 21 ° C. Do not store near open flames. The shelf life of parts A and B is 12 months.  
**MIXING**  
Pre-mix each component separately for 2-3 minutes. Pour 2 parts of component A into a container, then add 1 part of component B (mixing ratio 2: 1). Mix the components for at least 2-3 minutes using a low-speed drill (300-450 rpm) to reduce air entrapment and obtain a homogeneous mixture. Mix only the amount intended for use in the recommended pot life. Smaller volumes will be easier to apply and add longer life to your kit. Improper or insufficient mixing will result in product failure. It is important to follow the mixing ratio

**SURFACE PREPARATION**

All dirt, oil, dust, contaminants and laitance or weak concrete that crumbles should be removed to allow good adhesion. A test should be performed to determine that the concrete is dry; this can be done by placing a 4 "X 4" plastic sheet over the concrete and gluing the sides together. If after 24 hours the concrete is dry under the plastic sheet, it is dry enough to begin application. This product is designed for repairing hairline cracks and other repairs up to 3mm (1/8 ") in width. Remove deteriorated concrete on perimeter walls of the crack to be repaired and vacuum any debris or dust that may be in the crack.

**APPLICATION**

**PROCEDURE**  
Apply with a spatula or trowel, filling the cracks until overflowing and then remove any excess to minimize sanding/grinding once completely dry.  
For deeper cracks, install a foam backer rod to bottom of crack or sawcut ensuring to leave a minimum of ¼ inch for filler space.  
**TOPCOAT**  
Can be top coated with most types of epoxies and polyurethane, check for compatibility prior to commencing application of the top coat. Beyond 24 hours of the application, it must be sanded. This product can be applied in several coats

**PRECAUTIONS FOR USE**

Use the floor in light traffic until the coating is fully cured. It is preferable that the soil remains dry during the entire ripening cycle. Depending on the system applied, the surface can be slippery, especially when wet or contaminated; keep the surface clean and dry. **Lower temperatures will prolong ripening**

**MINTENANCE**

Must be topcoated

**CLEANING TOOLS**



Clean all tools and equipment with an epoxy cleaner / thinner. Wash hands and skin with soap and warm water. Once cured, the product can only be removed mechanically.

## DISPOSAL

Allow the 2A + B mixture to harden and dry well before placing it

**Contact your municipality to dispose of containers and surpluses in an ecological way.**

## WARRANTY

This product will give complete satisfaction if applied according to the manufacturer's instructions. In the event that it is found to be defective after inspection, the manufacturer's liability is limited to the replacement of the product and does not include labor during the application

## CAUTION

Exposure during the curing period of the coating to by-products from propane combustion may cause discoloration. During application and curing period, propane forklifts and other propane vehicles or heaters should not be used in the area until the coating is fully cured, at least 72 hours.

**Before using any product, make sure the Material Safety Data Sheet is read and understood.  
Please contact your MF Paints Inc. representative at 1-800-363-8034 for more information**