



Kevlar® Enhanced Heavy-Duty, Semi-Rigid Epoxy Mortar  
for Class 6-9 Industrial Concrete Floors

## INSTALLATION INSTRUCTIONS

### Product Name & Manufacturer

MM-80 KRP Kit  
METZGER/MCGUIRE  
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Fax: 603-224-6020 Web: [www.metzgermcguire.com](http://www.metzgermcguire.com)

### Product Description

#### Composition

MM-80 KRP Kit is a three-component, 100% solids faster set semi-rigid epoxy repair mortar. When cured, MM-80 KRP Kit is a semi-rigid (hard but slightly resilient) repair mortar with a Shore hardness of A98+.

#### Basic Use

MM-80 KRP Kit was developed to repair and protect joints in interior industrial concrete floors that are subject to hard wheeled material handling traffic and heavy loads. Its primary function is to support such traffic and protect joint edges from spalling. MM-80 KRP Kit is designed for use in areas where final temperatures are from 40°F (10°C) to +120°F (49°C).

#### Related Products

MM-80 KRP is available in two versions: MM-80 KRP Kit, which consists of three components and includes a pre-engineered aggregate blend. MM-80 KRP is also available in 10 gallon kits by special order. Call for details. Both are available in silicone-free formulations for use in automotive/paint facilities.

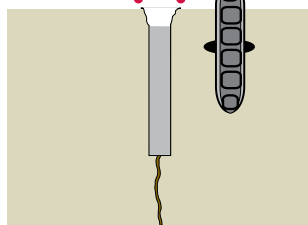
#### Technical Assistance

Complete technical support and literature are available from authorized distributors, through our website ([www.metzgermcguire.com](http://www.metzgermcguire.com)) or by contacting our NH headquarters at (800) 223-MM80.

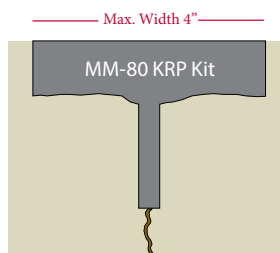
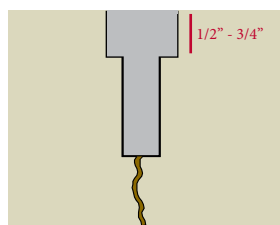
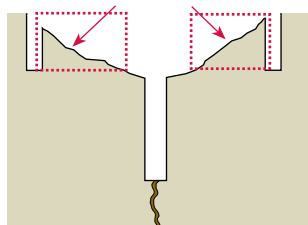
#### Installation

**Joint Preparation** - Joints should be completely free of saw laitance, dirt, debris, coatings/sealers and frost or visible moisture. Joint cleaning procedures must accomplish the removal of all of the above. Failure to do so will compromise adhesion. Simply "raking" debris out of spalled joint is not an acceptable cleaning method. Preferred method of joint cleaning is to use a dustless concrete saw with diamond blade. No primer is needed.

Blade width should exceed width of spalling.



Saw cut behind spalling and chip out high spots.



#### Installation (continued)

Where joint spalling exceeds the width of the joint, spalled edges should be removed by sawing behind the spall to encapsulate all spalling or through the use of a milling type saw. Once prepared, any high spots should be chipped out, leaving a new channel at a nominal depth of 1/2" - 3/4" minimum along the edge of the original joint. The resulting joint profile should approximate a "T" shape. New joint channel should be vacuumed clean prior to installation.

Because MM-80 KRP Mortar is fairly thick, there is typically no need to choke-off the shrinkage crack at the base of the joint. **Do not use compressible backer rod (Ethafoam, etc) as a base in saw cut joints less than 2" deep.** The applicator may use a compressible backer rod in saw cut joints or through-slab construction (cold) joints ONLY if the rod is placed at least 2" below floor surface.

#### Prior to Dispensing

Caution: Thoroughly read SDS and complete installation instructions prior to opening containers or attempting to dispense.

**Mixing** - Use a variable speed drill at low RPM and a paint mixing paddle (Jiffy or similar) to pre-mix MM-80 KRP Parts A and B (different paddle for each) for approximately 60-90 seconds to redispense components. Gradually blend pre-mixed Part B into pre-mixed Part A and mix until thoroughly blended (approximately 60-90 seconds). Do not dilute or alter material. After Parts A and B are blended, gradually add Part C aggregate to the mixed material using a paint mixing paddle. Continue to mix the mortar until all aggregate is thoroughly coated - approximately 1-2 minutes.

**Dispensing** - MM-80 KRP Kit has a viscosity similar to a thick pancake batter. Best results are obtained by dispensing through a bulk-type caulking gun or by pouring from the kit's bucket or smaller containers. MM-80 KRP Kit is not designed for use with dual component pumps due to abrasive additives.

**Installation** - MM-80 KRP Kit may be installed using a one pass method. Check joints periodically to ensure low spots do not occur due to seepage. Material should be installed slightly high or "crowned." Do not fill flush and leave, as low or concave filler profile is likely to occur. Allow material to cure into solid (approx. 2.5-4 hours @ 70°F) and grind overfill material flush with floor surface using a cup wheel, ceramic disc or similar.

#### Clean-Up

Spills of unmixed components can be cleaned up with solvent (Toluol, MEK, Denatured Alcohol, etc). Cured product can be scraped or shaved off floor and tools.

#### Maintenance

Once cured, MM-80 KRP Kit is basically maintenance free. If joints should open after installation due to movement, fill any voids exceeding credit card width (1/32") with additional MM-80P/P FS, MM-80 or Edge-Pro 90. Refer to [Technical Bulletin T11 \(Joint Filler Separation; Causes & Corrections\)](#) for information.

#### Coverage Rates

One unit will yield approximately 780 cubic inches or 3.4 gallons.

#### Shelf Life and Storage

MM-80 KRP Kit has a guaranteed shelf life of 12 months if containers remain unopened. Store in dry, cool areas away from excessive heat and freeze/thaw.

#### Safety

This product is for industrial use only. Use only in well ventilated areas. Practice all normal jobsite safety precautions (clear work area, etc). Thoroughly read and understand SDS and installation instructions for additional information prior to using material.

#### Food Related Facilities

USDA limits the use of chemicals in areas where existing food/food packaging is present. When cured MM-80 KRP Kit, is acceptable in USDA/FDA/CFIA regulated facilities.

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Customer Service - (800) 223-MM80 - Technical Assistance

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