



The Industry Standard Heavy-Duty, Semi-Rigid
Epoxy Joint Filler for Class 6-9 Industrial Concrete Floors

INSTALLATION INSTRUCTIONS

Product Name & Manufacturer

MM-80P FS
METZGER/MCGUIRE
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Product Description

Composition

MM-80P FS is a two-component, 100% solids faster set epoxy joint filler. When cured, MM-80P FS is a gray, semi-rigid (hard but slightly resilient) filler with a Shore hardness of A90-95.

Basic Use

MM-80P FS was developed to fill and protect joints in 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-80P FS is designed for use in areas where final temperatures are from 40°F (10°C) to +120°F (49°C). It is also ideal for joint and crack repair.

Related Products

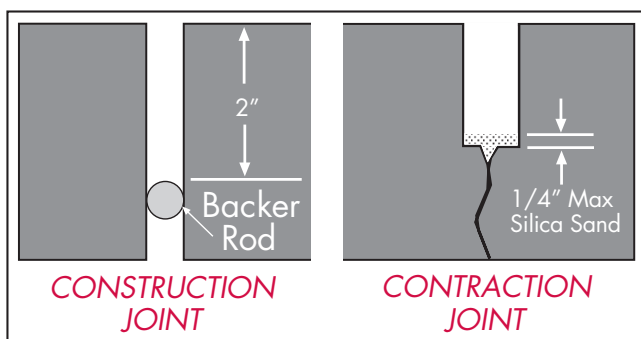
MM-80 is available in three versions: MM-80P (P for pump) and MM-80P FS, with 1:1 mix ratios and the standard MM-80 in a 5:1 mix ratio. MM-80 and MM-80P and MM-80P FS are available in silicone-free formulations for use in automotive/paint facilities.

Technical Assistance

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

Correct Joint Design/Installation

MM-80P FS should be installed full joint depth in saw-cut control joints (or 2" min. in joints where depth exceeds 2") per PCA and ACI guidelines. In construction (formed) joints that are not saw-cut, MM-80P FS should be installed 2" deep. If shrinkage crack is excessive and needs to be "choked off," it may be sealed with clean, dry silica sand as shown below (contractor's option).



Do not use compressible backer rod in saw cut contraction/control joints less than 2" deep. Compressible rod may be used as a base in construction joints or contraction joints deeper than 2" if it is placed at least 2" below floor surface.

Installation

When to Install - The installation of MM-80P FS should be deferred as long as possible after slab placement and should never be installed prior to 30 days to ensure adequate adhesion. ACI recommends a slab cure of 60-90 days or longer to permit for greater concrete shrinkage/joint opening, lessening the expected incidence of joint filler separation. Ambient areas should be stabilized at final operating temperature prior to installation, refrigerated areas stabilized and held for an additional 7-14 days or longer if possible. Refer to [Technical Bulletin T5 \(Filler Installation Timing\)](#) for additional information.

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 joint is not an acceptable cleaning method. Preferred method of joint cleaning is to use a dustless concrete saw with diamond blade (ensure blade is slightly wider than joint or clean both sides). No primer is needed.

If potential concrete staining from joint filler overfill is an issue, apply Metzger/McGuire's SPF (stain preventing film) prior to the joint cleanout operation and material installation. Prevent SPF from entering joints, as it may compromise adhesion. If SPF enters joints, clean joints as outlined previously.

The applicator may choke-off the shrinkage crack at the base of the joint with a 1/4" maximum layer of clean, dry silica sand if desired. **Do not use compressible backer rod (Ethafoam, etc) in saw cut joints less than 2" deep.** Compressible backer rod is allowed ONLY in through-slab construction joints or contraction joints exceeding 2" in depth. If used, the backer rod must be 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-80P FS Parts A and B (different paddle for each) for approximately 3 minutes prior to pouring into pump tank. If dispensing manually, gradually blend pre-mixed Part B into pre-mixed Part A and mix until thoroughly blended (approximately 3 minutes). Do not dilute or alter material.

Dispensing - MM-80P FS has a viscosity similar to a medium weight motor oil. Best results are obtained by dispensing through a dual-component dispensing pump ratioed at 1:1 or through a bulk-type caulking gun. If using a dual component pump, periodic ratio checks should be performed to ensure that pump is properly metering material at a 1A:1B ratio.

MM-80P FS should be installed using a two pass method. The first pass should fill the joint to within 1/2" of floor surface. Within 30-60 minutes overfill joint with a second pass, leaving material "crowned" above floor. Check joints periodically to ensure low spots do not occur due to seepage. Do not fill flush and leave, as low filler profile is likely to occur. Allow material to cure into solid (approx. 2.5-4 hours @ 70°F) and shave or grind material flush with floor surface. If shaving, lightly heat the overfill material with a propane torch or other heating source prior to shaving to ease the shaving process and ensure a smoother filler profile. Use appropriate respirator mask if heating material.

Clean-Up

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

Maintenance

Once cured, MM-80P FS is basically maintenance free. If joints should open after installation due to concrete shrinkage, 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 info.

Shelf Life and Storage

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

Safety

This product is for industrial use only. Use only in well ventilated areas. Practice all normal jobsite safety precautions. 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-80P FS is acceptable in USDA/FDA/CFIA regulated facilities.

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

E-mail: info@metzgermcguire.com • Web Site: www.metzgermcguire.com