

MM-80 LV

TECH DATA

LV-1

Low Viscosity Semi-Rigid Epoxy Separation Void and Crack Filler

1. Product Name

MM-80 LV Low Viscosity Semi-Rigid Epoxy Separation Void and Crack Filler

2. Manufacturer

METZGER/McGUIRE
P.O. Box 2217 CONCORD, N.H. 03302 (U.S.A.)
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3. Product Description

Composition

MM-80 LV is a two-component, thin viscosity, 100% solids content epoxy. When cured, MM-80 LV is a semi-rigid filler with a hardness of approximately Shore A90

Basic Uses

- Filling adhesive (filler-to-wall) and cohesive (internal) separation voids which occur in original installations of MM-80 and Edge-Pro XL due to concrete shrinkage.
- Filling random floor cracks that exceed credit card width.

4. Limitations

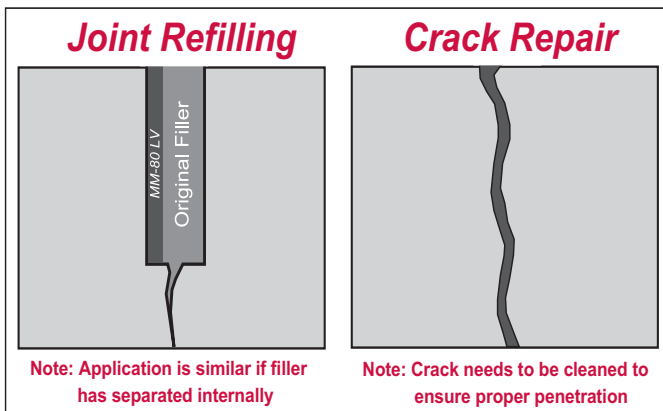
MM-80 LV is not recommended for;

- Initial filling of floor joints (due to its thin viscosity)
- Joints or cracks subject to strong chemical exposure
- Filling voids that occur in other filler installations
- Exterior joints (paving, etc.)

Note: MM-80 LV may change colors when subjected to certain ultra-violet rays from certain lighting systems and sunlight.

5. Correct Installation

Blended MM-80 LV should be allowed to gravity flow into separation voids and narrow cracks. See reverse side of page for complete installation instructions.



TECHNICAL INFORMATION

	TEST METHOD	RESULTS
HARDNESS, SHORE "A" @ 70° F	D-2240	A90 +/- 3
ADHESION TO CONCRETE	D-4541	250-300 PSI
POT LIFE; 1 Quart @ 70° F	-	20-30 Mins.
INITIAL CURE @ 70° F	-	4-6 Hours
FULL TRAFFIC READY @ 70° F	-	8-12 Hours
MIX RATIO BY VOLUME	-	Pre-Measured
SOLIDS CONTENT	-	100%
SHRINKAGE	-	Negligible

6. Color and Packaging

Standard MM-80 LV color is concrete (charcoal) gray, the same color as our MM-80. Custom colors can be provided; contact our office for details. Certain custom colors for on-going colored concrete floor programs (such as Wal-Mart, etc.) are generally available at all times.

MM-80 LV is packaged in one (1) quart units (A+B= 1 quart). Standard unit includes both epoxy components and a one quart plastic squeeze bottle with a caulker tip for easy installation.

7. Applicable Specifications

There are no government or ASTM standards for this product type. But MM-80 LV does meet and/or exceed floor joint filler guidelines set forth by ACI 302 (*Guide for Concrete Floor and Slab Construction, ACI report 302.1 R-96*), ACI 360 and PCA (Concrete Floors on Ground, Third Edition 2001, James A. Farny, PCA).

8. USDA/FDA Approval

MM-80 LV meets the basic criteria required for USDA and FDA acceptability. Caution should always be exercised when using this or any chemical in an area where packaged or unpackaged food goods are present to avoid potential contamination or other damage. Please contact Metzger/McGuire if you have concerns or need further guidance on installation procedures on your project.

9. Technical Assistance

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

10. Availability

MM-80 LV is available through quality construction supply distributors in most major U.S. and foreign cities (listing available at www.metzgermcguire.com) or through our New Hampshire headquarters.

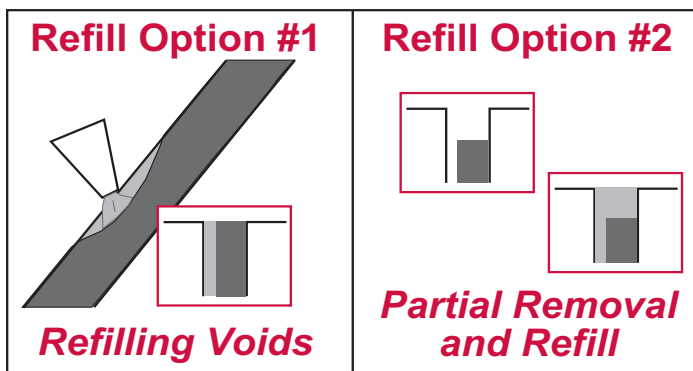
11. Installation

Caution - Thoroughly read entire product installations instruction sheet and the product MSDS prior to opening containers or attempting to use.

Preparation

Totally clear voids or cracks of dirt, debris, water, sealers, waxes, water or any other substance that might reduce MM-80 LV's penetration or compromise its adhesion.

If excessive debris, oils, etc. have penetrated voids and suitable cleaning proves difficult a portion of the existing MM-80 or Edge-Pro XL can be sawn or ground out to provide a channel for the refill material. If using this refilling option the existing material should be removed to a nominal depth of 1/2" minimum prior to filling with MM-80 LV.



Adjacent Surface Protection

MM-80 LV has the potential to stain adjacent concrete floor surfaces when installed. If surface staining is not acceptable, surfaces adjacent to the joint or crack should be first treated with Metzger/McGuire's SPF (Stain Preventing Film). Do not allow SPF to enter voids or cracks; it can compromise MM-80 LV's adhesion. Always allow SPF to dry thoroughly before installing MM-80 LV.

Mixing

Combine entire contents of both "A" and "B" cans, scraping inside of cans to remove all material. Mix with drill and Jiffy-type paddle for 1-1/2 to 2 minutes. If mixing manually, stir vigorously for 2-3 minutes. Pour blended contents into squeeze bottle provided with unit and screw-on dispenser tip. Dispense promptly.

Dispensing

Approximate work life of one quart of MM-80 LV is 20-30 minutes. Apply to separation void or crack and allow MM-80 LV to gravity flow into void.

11. Installation (continued)

Dispensing (continued)

MM-80 LV's viscosity is similar to a very thin motor oil, so several applications may be necessary as MM-80 LV seeps into the crevice. Once MM-80 LV ceases to seep in and remains level, add a little more to create a "crown." Monitor MM-80 LV as it cures, adding additional material where earlier material settles to a concave profile (within 30-60 minutes of initial application). The final cured profile should always be higher than the floor level. Do not "tool" flush.

Wait for MM-80 LV to cure into a tack-free solid, then razor off crown, leaving a flush filler profile. Do not razor if filler is uncured or tacky.

Clean-up

Spills of unmixed components should be scraped up and surface promptly cleaned with solvent (toluol, xylol, MEK, denatured alcohol, etc.) or other suitable cleaning agent. Handle spills of blended material promptly, using same methods and products previously described.

12. Approximate Coverage Rates

Void Size	LF/Quart	Void Size	LF/Quart
1/32" x 1/2"	280	1/16" x 1 1/2"	50
1/32" x 1"	140	1/16" x 1 3/4"	45
1/32" x 1 1/4"	120	1/16" x 2"	55
1/32" x 1 1/2"	100	1/8" x 1/2"	70
1/32" x 1 3/4"	85	1/8" x 1"	35
1/32" x 2"	75	1/8" x 1 1/4"	30
1/16" x 1/2"	150	1/8" x 1 1/2"	25
1/16" x 1"	75	1/8" x 1 3/4"	21
1/16" x 1 1/4"	65	1/8" x 2"	18

13. Shelflife and Storage

MM-80 LV has a guaranteed shelf life of 12 months if containers remain unopened. Store in dry, cool areas away from excessive heat, freeze/thaw and sunlight. See complete installation instructions for information.

14. 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 MSDS and installation instructions for additional information prior to using material.

WARRANTY: Metzger/McGuire Co. solely and expressly warrants that its product shall be free from defects in material and workmanship for 12 months from the date of purchase. Unless authorized in writing by an officer of Metzger/McGuire, no other representations or statements made by Metzger/McGuire or its representatives, in writing or orally, shall alter this warranty. Metzger/McGuire makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Metzger/McGuire product fails to conform with this warrant, Metzger/McGuire will replace the product at no cost to the purchaser. Purchaser's sole remedy in any case shall be limited to the purchase price or replacement cost of product and specifically excludes labor and the cost of labor, lost wages and opportunity costs, and all other possible incidental, consequential or special damages resulting from any claim of breach of warranty, breach of contract, negligence or any legal theory. Any warranty claim must be made within one (1) year from the date of material purchase. Metzger/McGuire does not authorize anyone on its behalf to make any written or oral statements which in any way alter the installation procedures or written installation instructions published in its product literature or on its packaging labels. Any installation of Metzger/McGuire products which fails to conform with such installation information or instructions shall void this warranty. Purchaser shall be solely responsible for determining the suitability of Metzger/McGuire's products for the purchaser's intended purpose.