



A Note about Metzger/McGuire Floor Joint Protection Systems

For nearly 50 years, Metzger/McGuire has been the industry leader in developing joint protection systems for trafficked concrete floors. Our Heavy Duty Semi-Rigid Epoxy Joint Filler, MM-80, was the industry's first semi-rigid epoxy joint filler and set the standards by which all joint fillers are evaluated today.

Prior to the development of semi-rigid filler concept, the widely accepted joint treatment practice was to "seal" joints with an elastomeric sealant such as a polyurethane. Elastomeric sealants were well suited for preventing the intrusion of moisture and dirt into the joint cavity, but lacked sufficient rigidity to protect the joint edge itself. Over time some contractors and designers recognized the protection limitations of sealants and accordingly some moved instead towards the use of high strength epoxies to provide joint edge protection. Unfortunately, such products often brought their own potential issues, including brittleness and joint restraint.

As a caulking contractor struggling with these imperfect options, Steve Metzger developed a notion that what was really needed was a product that was both "firm and flexible." Steve retained a chemist and began field trials on some of his projects using multiple formulations with varying adhesive, tensile and hardness properties until he found a product with the ideal balance of these properties. The result was a product with a Shore Hardness of A 80 and accordingly he named it MM-80. For the next several years the product was tested and monitored in some of the most demanding floors in the country, showing excellent results. Based on this proven success, in the late 1970's the American Concrete Institute (ACI), the Portland Cement Association (PCA) and other industry organizations began recommending A 80+ semi-rigid fillers as the best known solution to prevent joint edge deterioration. These same standards remain in place today.

Since the creation of our MM-80 Semi-Rigid Joint Filler, many industry changes have occurred which have had a direct impact on semi-rigid fillers. Changes in the material handling industry - to smaller wheels and heavier loading - changes in floor construction techniques such as joint spacing and finishing practices, and changes in construction schedules, including fast track buildings and multi-use spaces, have all lead to the need for continual evolution and innovation in floor joint filler technology.

At Metzger/McGuire, we have always done our best to anticipate, monitor and evaluate change and to adjust our products or develop new ones to meet the industry's ever evolving needs. As a recognized industry leader with a singular focus on joint fillers and joint edge protection, we take our obligation to the industry seriously. Providing "industry standard" products is the foundation of our company. Pairing these products with unequaled technical support, field support and customer service is the only way we know how to do things. Satisfying the building owner's long term floor protection needs is critical to our ongoing success and to ensuring that we remain "Known by the Floors We Protect."

If allowed the opportunity to partner with you on your next concrete floor project, rest assured you can place your confidence and trust in the entire Metzger/McGuire team to do everything in our power to meet or exceed your expectations and to provide you with the best floor joint protection systems the industry has to offer.

Your Partner in Floor Protection,

Scott Metzger

4 CRITICAL STEPS TOWARDS ACHIEVING PERMANENT, DURABLE FLOOR REPAIRS

1 DETERMINE CAUSE(S) OF FLOOR DETERIORATION

Before you begin repairing floor defects, it's important to identify their underlying causes in order to determine the best long-term repair strategy.

Example: Joint spalling may be the result of an improper joint filler installation (i.e. low filler profile or poor joint cleaning prior to filling), the wrong joint filler (i.e. urethane that is too soft to support traffic), or no joint filler at all. These are material problems. Joint spalling could also result from differing slab elevations (slab curl) or rocking slab conditions (subgrade deficiencies or voids). These are structural problems that need to be corrected prior to performing standard joint repair.

2. SELECT APPROPRIATE FLOOR REPAIR MATERIAL(S)

It's important to choose the repair material(s) best suited to meet the requirements of the facility's operations. Considerations may include frequency of traffic, vehicle loading and types, building temperature, time allowed to perform repairs, defect width, etc.

Example: The repair material best suited for repairing a spalled joint may be heavy-duty, semi-rigid epoxy or polyurea or a structural epoxy mortar... depending upon the width of the spalled joint (wider exposures require more rigid products), the access time required (will an epoxy take too long to cure?), structural condition of the floor (are the joints still opening?), is the defect in a freezer/cooler (polyurea is likely best)...

3. REPAIR MATERIAL

The key to achieving long-lasting repairs is making sure the edges of the defect are defined and the defect is cleaned properly prior to filling with repair material.

Failure to properly clean and prepare a floor defect is probably the #1 cause of ultimate failure. Even the best possible repair material will not function properly if it's placed into a poorly cleaned joint or crack, or if the repair material is "feather-edged" along the outside of the defect. The edges of joints, cracks, and surface spalls all should be at least 1/2" deep vertically, and clean and dry prior to filling, to ensure the long term durability and structural stability of any repair.

4. FINISHED REPAIR SHOULD BE FLUSH WITH FLOOR

The goal in any floor defect repair is to restore a smooth, continuous transition across the floor surface. To achieve a flush profile, repair materials should be placed slightly higher than the floor, then shaved or ground flush with the surface.

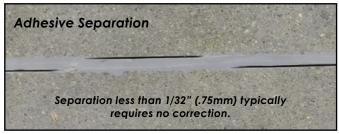
The finished profile of any repair should be "flush" with the floor's surface. Simply filling a defect "even" with material generally results in a finished profile that is concave or dished, as repair materials typically settle a bit during cure. Repair materials should always be placed slightly higher than the floor surface and be allowed to cure. Once cured, excess material can be shaved or ground flush with the surface.

JOINT FILLER SEPARATION

Minor to Severe

Difficulty Of Repair







REPAIR MATERIAL OPTIONS

Semi-Rigid Epoxy or Polyurea Joint Filler

MM-80 (I) MM-80P (I)

Rapid Access

Edge-Pro 90 (I)

Spal-Pro RS-88 (I)

Edge-Pro 80 (D)

Spal-Pro RS-65 (D)

Freezer/Cooler

Spal-Pro 2000 or RSF (I)

TOOLS & EQUIPMENT NEEDED

Preferred:

Joint clean-out saw with dustless shroud, Abrasive Blade, Diamond blade, Vacuum system, Razor scraper/heat (MM-80/MM-80P)

Minimal:

Right angle grinder, Nyalox wheel, Shop vacuum, Razor scraper/heat (*MM-80/MM-80P*)

OPTION 1 Partial Removal of Existing Filler

Before choosing this option, ensure that existing filler is well bonded structurally to one or both sides of the joint, and exhibits signs of being properly installed originally (i.e. flush with floor, proper depth, etc). If filler is not well bonded or original installation appears deficient, remove filler completely and re-apply with new material.









JOINT FILLER SEPARATION

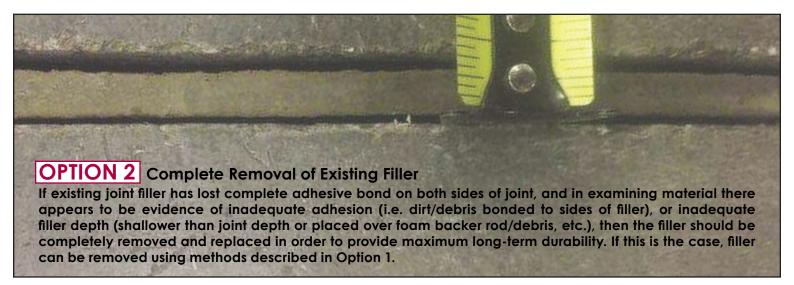
Minor to Severe (Continued)

Difficulty Of Repair









(I) = Industrial

JOINT SPALLING, MINOR

Up to 1" Wide

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Semi-Rigid Epoxy or Polyurea Joint Filler MM-80 (I)

MM-80P (I)

Rapid Access

Edge-Pro 90 (I) Spal-Pro RS-88 (I)

Edge-Pro 80 (D)

Spal-Pro RS-65 (D)

Freezer/Cooler

Spal-Pro 2000 or RSF (I)

TOOLS & EQUIPMENT NEEDED

Preferred:

Joint clean-out saw with dustless shroud. Abrasive Blade, Diamond blade, Vacuum system, Razor scraper/heat (MM-80/MM-80P)

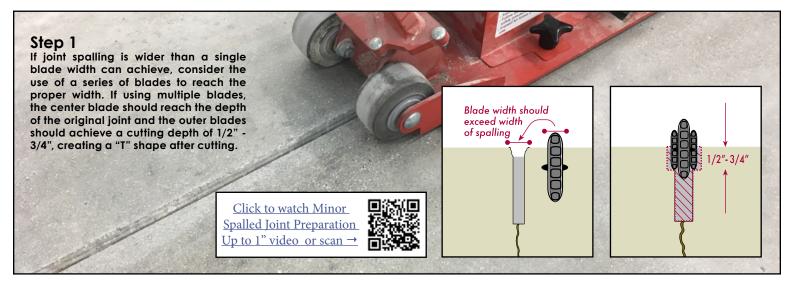
Minimal:

Right angle grinder, Nyalox wheel, Shop vacuum, Razor scraper/heat (MM-80/

MM-80P)

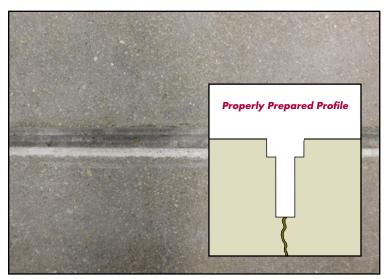
OPTION 1 Semi Rigid Filler (Neat)

The final width of a spalled joint, including the spalls, will determine the best cleaning/re-sawing method required to recreate a proper joint for filling. If spalled joint is narrow, it may be possible to use a single diamond blade to cut a "new" joint to the same depth as the original joint (or 2" minimum).









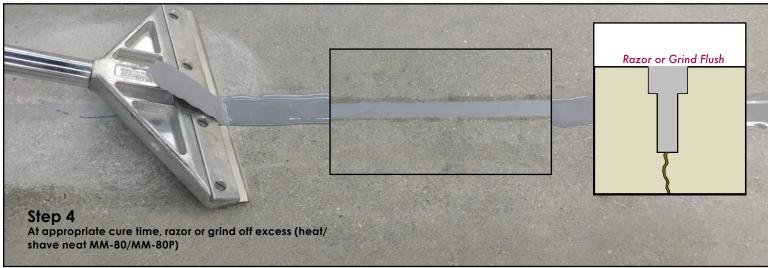
JOINT SPALLING, MINOR

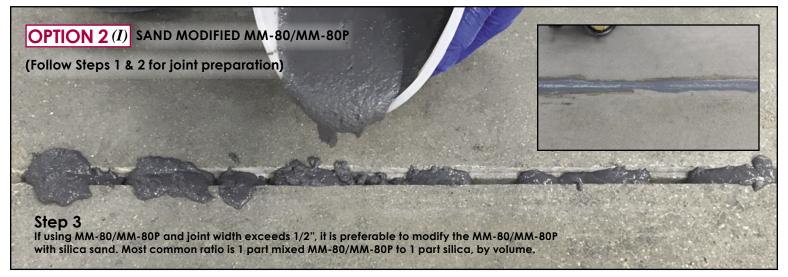
Up to 1" Wide (Continued)

Difficulty Of Repair









(I) = Industrial

 (\mathbf{D}) = Decorative

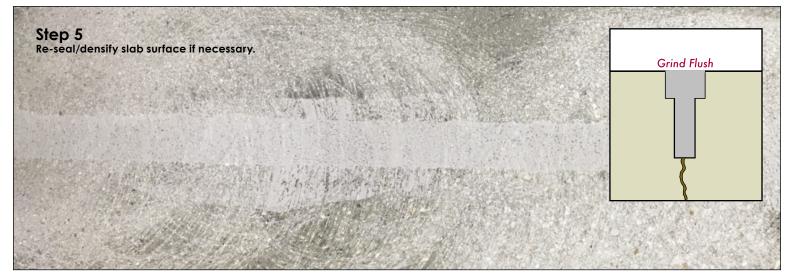
JOINT SPALLING, MINOR

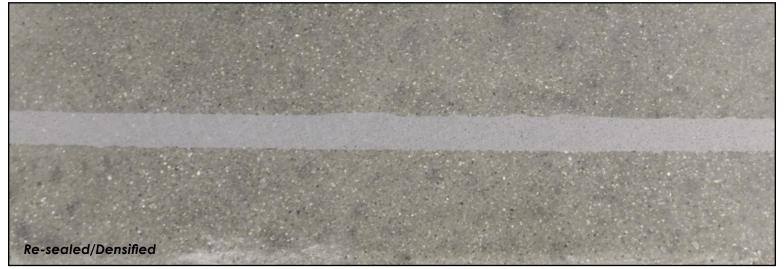
Up to 1" Wide (Continued)

Difficulty Of Repair









(I) = Industrial

JOINT SPALLING, MAJOR

Greater than 1"

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Structural Epoxy Mortar Armor-Hard (I)

Armor-Hard Extreme (I) Armor-Hard Primer (I)

Sand Modified Semi Rigid Epoxy MM-80/MM-80P (I)

Freezer/Cooler Spal-Pro 2000 or RSF (I)

TOOLS & EQUIPMENT NEEDED

Preferred:

Stand up walk behind dry cut saw with dustless shroud, Diamond blades, Vacuum system, Razor scraper/heat (MM-80/MM-80P), Pneumatic/electric chipper, Diamond cup wheel or similar

Minimal:

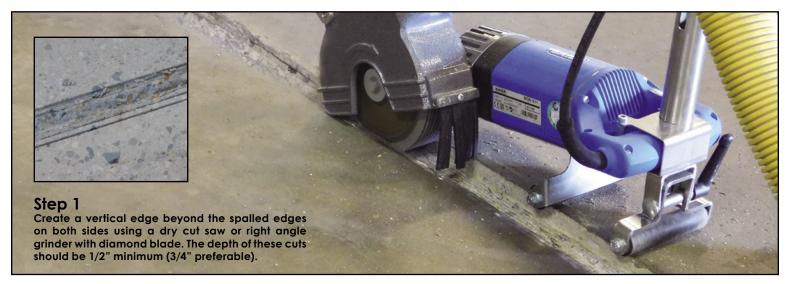
Right angle grinder with dustless shroud, Nyalox wheel, Shop vacuum, Razor scraper/ heat (MM-80/MM-80P), hammer/chisel, Diamond cup wheel or similar

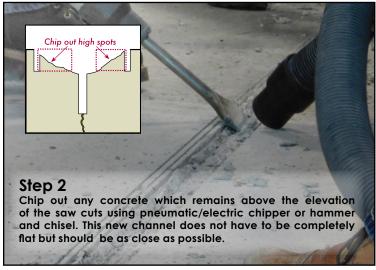
OPTION 1

Structural Epoxy Mortar

OPTION 2

Sand Modified MM-80/MM-80P







(I) = Industrial

JOINT SPALLING, MAJOR

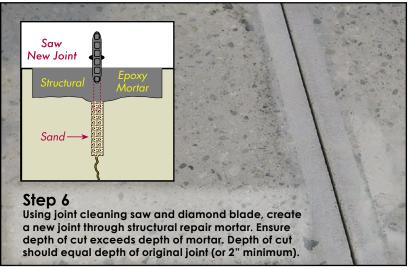
Greater than 1" (Continued)

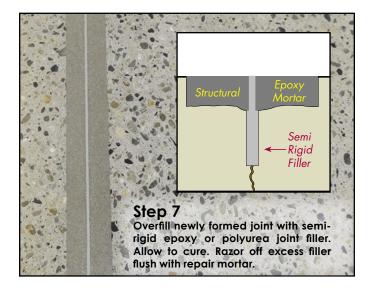
Difficulty Of Repair











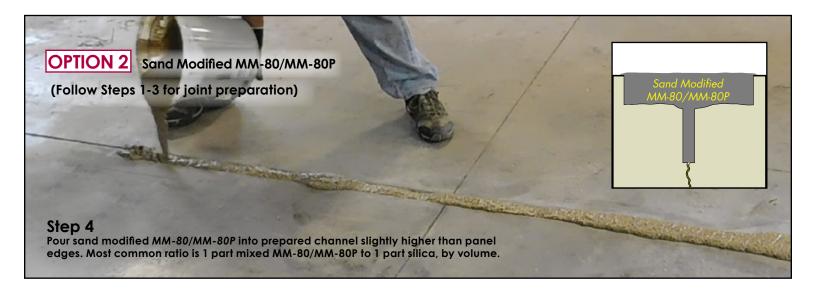
(I) = Industrial

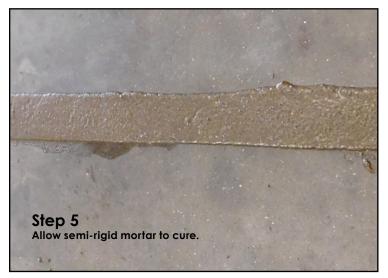
JOINT SPALLING, MAJOR

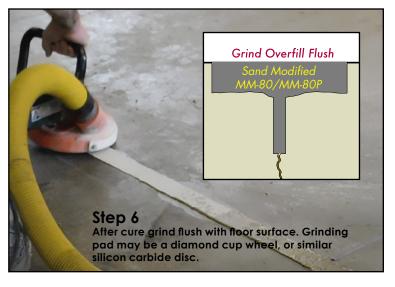
Greater than 1" (Continued)

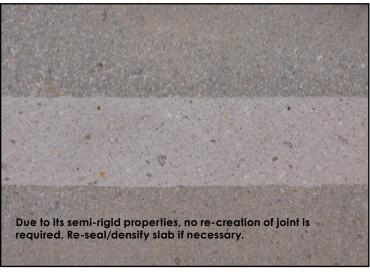
Difficulty Of Repair





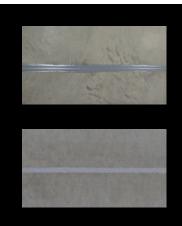








(I) = Industrial





FLOOR JOINT FILLERS FOR CONCRETE FLOORS

For more than 45 years, Metzger/McGuire has been the world leader in concrete floor joint protection systems. From MM-80, the industry's first and widely acknowledged industry standard heavy-duty epoxy joint filler, to the cutting edge Spal-Pro and Edge-Pro lines of rapid-setting polyurea joint fillers, you can rely on Metzger/McGuire joint fillers to provide superior joint edge protection and to enhance the long term durability of your industrial or retail floor.

PRODUCT	RS 65 Semi-Rigid Polyurea Joint Scalant	EDGE-PRO BU	R5 88 Semi-Rigid Polyurea Joint Filler	SPAL-PRO	MM-80	BOG-PAO
	NEW CONSTRUCTION	NEW CONSTRUCTION	NEW CONSTR./REPAIR	NEW CONSTR./REPAIR	NEW CONSTR./REPAIR	NEW CONSTR./REPAIR
APPLICATION RANGE	Ambient Cooler	Ambient Cooler	Ambient Cooler	Ambient Cooler Freezer	Ambient	Ambient Cooler
PRODUCT DESCRIPTION	Rapid-Set Semi-Rigid Polyurea Joint Sealant	Moderate-Duty Semi-Rigid Polyurea Joint Filler	Rapid-Set Semi-Rigid Polyurea Joint Filler	Low-Temp Semi-Rigid Polyurea Joint Filler	Heavy-Duty Semi-Rigid Epoxy Joint Filler	Heavy-Duty Semi-Rigid Polyurea Joint Filler
TYPICAL USES	Seal control and construction joints in retail and commercial concrete floors. Repair active cracks exceeding 1/8" in width.	Fill and protect joints in exposed concrete retail floors and in moderate-duty warehouse concrete floors.	Fill or repair control and construction joints in industrial and retail concrete floors. Repair active cracks exceeding 1/8" in width.	Fill and protect joints in freezer/cooler or ambient concrete floors subject to hard wheels and heavy loads.	Fill and protect joints in heavy duty industrial concrete floors subjected to frequent and demanding traffic. Repair joint deterioration.	Fill and protect joints in heavy duty industrial concrete floors subjected to frequent and demanding traffic. Repair joint deterioration.
SHORE HARDNESS	A 64-69	A 80-81	A 86-90	A 88-94	A 90-95	A 90-92
TENSILE STRENGTH	393 psi	505 psi	970 psi	930 psi	1200 psi	920 psi
TENSILE ELONGATION	162%	152%	180%	170%	80-90%	238%
ADHESION TO CONCRETE	350-400 psi	350-400 psi	350-400 psi	350-400 psi	300-350 psi	300-350 psi
APPLICATION METHOD	Dual Pump or Cartridge	Dual Pump or Cartridge	Dual Pump or Cartridge	Dual Pump or Cartridge	Dual Pump or Hand Mix	Dual Pump or Cartridge
POT LIFE	NA-No Hand Mix	NA-No Hand Mix	NA-No Hand Mix	NA-No Hand Mix	10-15 minutes	NA-No Hand Mix
TACK FREE AT 70°F	10-15 minutes	3 minutes	5 minutes	30 minutes (at 32° F)	5 hours	10-15 minutes
FULL TRAFFIC READY	30-60 minutes	1 hour	1 hour	3-5 hours (at 32° F)	8-12 hours	45 minutes
COLORFAST	Yes	Yes	Yes	No	No	Yes
MIX RATIO	1:1 by Volume	1:1 by Volume	1:1 by Volume	1:1 by Volume	1:1 by Volume	1:1 by Volume
AVAILABLE PACKAGING	600 ml dual cartridge 10 gallon unit	600 ml dual cartridge 10 gallon unit	600 ml dual cartridge 10 gallon unit	1500 ml dual cartridge 10 gallon unit	1 gallon unit (MM-80) 10 gallon unit	600 ml dual cartridge 10 gallon unit

When it comes to concrete floor joint fillers and repair products, "standard gray" is no longer the only color standard...





RAPID SET CONCRETE FLOOR REPAIR PRODUCTS

No one offers more innovative and durable repair solutions for industrial and polished concrete floors than Metzger/McGuire. Our rapid-setting repair products offer unequaled long-term durability with fast access times, thus ensuring minimal interruption to facility operations. All Metzger/McGuire products are 100% solids with no/minimal odor for safe and hassle free installation in all types of facilities.















	FOR POLISHED COMPARTE FLOORS	841,552			ARMOR-HARD KIT	
REPAIR	REPAIR	REPAIR	REPAIR	REPAIR	REPAIR	REPAIR
Ambient Cooler Freezer	Ambient	Ambient	Ambient Cooler	Ambient Cooler	Ambient	Ambient Cooler
Rapid-Set Semi-Rigid Polyurea Joint Polymer	Rapid-Set Surface Restoration Poylmer	Fast-Set Low Viscosity Surface Repair Product	Fast-Set Low Viscosity Structural Repair Product	Fast-Set Extended Pot Life Structural Repair Product	Early-Set Structural Epoxy Mortar	Quick-Set Multi-Temp Structural Epoxy Mortar
Repair control/construction joints and cracks in ambient or freezer/cooler concrete floors.	Fill/repair concrete floor surface imperfections such as air holes, popouts, surface pitting, scratches and gouges, etc.	Structurally repair concrete Fill/repair concrete floor surface imperfections such as air holes, popouts, surface pitting, scratches and gouges, etc.	Structurally repair concrete surface defects, including popouts, gouges, nail holes, etc. Repair static cracks less than 1/8" wide.	Repair surface defects in industrial or stained/polished concrete floors including surface spalls/popouts, surface pitting, bolt-holes, random cracks and more.	Early-set system designed specifically for the repair of industrial concrete floors. Rebuild joint edges or repair large surface defects.	Rebuild/repair control and construction joints in industrial and retail concrete floors. Repair large surface defects.
D 95-100	D 70-75	D 70-75	D 70-75	D 75-80	D 86+	D 92
2850 psi	4184 psi	5100 psi	5500 psi	4300 psi	1400 psi	2000 psi
Not Tested	2.8%	7-9%	6-8%	14-18%	NA	NA
350 psi	Concrete Fails	Concrete Fails	Concrete Fails	Concrete Fails	Concrete Fails	Concrete Fails
Dual Pump or Cartridge	Hand Mix	Cartridge	Cartridge	Hand Mix	Hand Mix	Hand Mix
NA-No Hand Mix	5 minutes	1-1½ minutes	NA-No Hand Mix	3½-4 minutes	30-40 minutes	12-15 minutes
3-5 minutes	20-30 minutes	15 minutes	5-8 minutes	5-8 minutes	3-4 hours	1 hour
30 minutes	1 hour	45 minutes	15-30 minutes	60-120 minutes	4-8 hours	2-4 hours
No	Yes	Yes	Yes	Yes	No	No
2:1 by Volume	1:1 by Volume	1:1 by Volume	1:1 by Volume	1:1 by Volume	4:1 by Volume	5:1 by Volume
450 & 900 ml dual cartridge 15 gallon unit	2 gallon unit 10 gallon unit	1500 ml dual cartridge	600 ml dual cartridge 250 ml universal cartridge	2 gallon unit 10 gallon unit	540 cubic inch kit (2.3 gallons)	300 cubic inch kit (1.3 gallons) Liquids only: 1 gallon unit and 30 gallon unit

With the increased use of integral colors, stains and polishing on concrete floors, concrete has gone from being a simple, utilitarian gray work surface to a canvas of creativity. Exposed, decorative concrete is rapidly replacing traditional floor coverings as a cost-effective and earth friendly alternative work and showroom surface. Today's floors demand the availability of joint fillers and repair products in a range of colors to both protect and enhance the floor, while offering cost-effective and durable solutions. Metzger/McGuire's ColorFast line is the perfect solution when aesthetics are just as important as durability and longevity.

RANDOM CRACKS 1/8" Width or Less

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Low Viscosity Structural Repair Polymer Rapid Refloor (I, D) Rapid Refloor XP (I, D) SRG (D)

Freezer/Cooler Rapid Refloor (I, D)

TOOLS & EQUIPMENT NEEDED

Preferred:

Drill with Nyalox wheel, Medium grit grinding pad, Vacuum

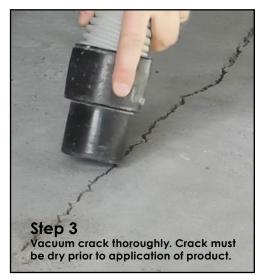
Minimal:

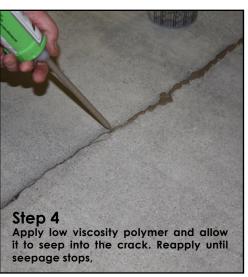
Wire Brush, Vacuum

If crack is approximately 1/8" wide or less and slab cure time is over 1 year, we recommend not to rout the crack wider. If future movement is anticipated, 1/8"-1" crack repair detail may be a better option.













(I) = Industrial

RANDOM CRACKS

1/8 - 1" Wide

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Semi-Rigid Epoxy or Polyurea Filler MM-80/MM-80P (I)

MM-80/MM-80P (I) (Neat or Sand Modified) Spal-Pro 2000 (I) Edge-Pro 90 (I) RS-88 (I/D)

EP-80 (D) RS-65 (D)

Freezer/Cooler Spal-Pro 2000 or RSF (I)

TOOLS & EQUIPMENT NEEDED

Preferred:

Right angle grinder, with dustless shroud, Crack chasing saw, Diamond blades "U" or "V" shaped, Vacuum system, Razor scraper / heat (MM-80/MM-80P)

Minimal:

Right angle grinder, Diamond blades "U" or "V" shaped, shop vacuum, Razor scraper / heat (MM-80/MM-80P)

Click to watch Industrial
Random Cracks 1/4" to 1"
Preparation video or scan →



RS-88 for Retail Cracks
1/4" to 1 " Installation
Instructions

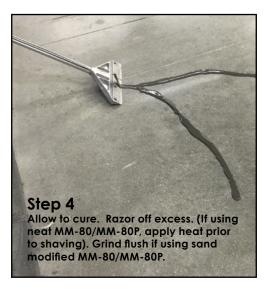


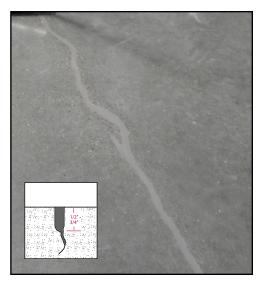












(I) = Industrial

(D) = Decorative

Less than 6" Unmodified

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Low Viscosity Structural Repair Polymer (Neat) Rapid Refloor (I, D) Rapid Refloor XP (D) SRG (D)

Freezer/Cooler Rapid Refloor (I, D)

TOOLS & EQUIPMENT NEEDED

Preferred:

Drill with Nyalox or soft wire wheel, Chipping hammer/hammer & chisel, Medium grit grinding pad, Vacuum

Minimal

Wire brush, Vacuum, Medium grit grinding pad

Note: These repairs do not need to be "squared up" (such as structural epoxy/mortar repair) These products are designed to adhere in a "feathered edge" application.











(I) = Industrial

Less than 6" Modified

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Low Viscosity Structural Repair Polymer Rapid Refloor (I, D) Rapid Refloor Pit Grout (I, D) Rapid Refloor XP (D) SRG (D)

TOOLS & EQUIPMENT NEEDED

Preferred:

Drill with Nyalox or soft wire wheel, Chipping hammer/hammer & chisel, Vacuum, Diamond cup wheel or similar

Minimal:

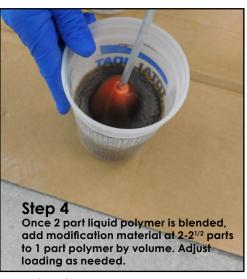
Wire brush, Hammer & Chisel, Vacuum, Diamond cup wheel or similar

Note: Polymer modification will depend highly on which product is chosen. Polymers with very rapid initial set times (Rapid Refloor & Rapid Refloor Pit Grout, 1-1^{1/2} minutes) may allow a quick sprinkling/mixing of dry sand/aggregate. Polymers with a slower initial set time (Rapid Refloor XP & SRG, 3-5 minutes) allow for a more customized blend to be added.







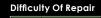




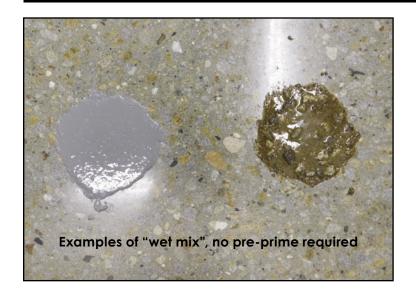


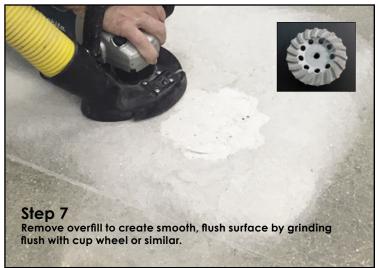
(I) = Industrial

Less than 6" Modified

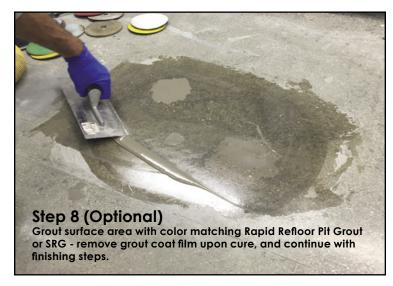




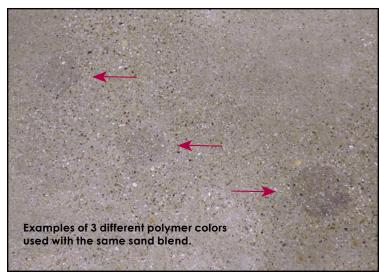












(I) = Industrial

(D) = Decorative

Larger than 6"

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Structural Epoxy Mortar Armor-Hard (I) Armor-Hard Extreme (I) Armor-Hard Primer (I)

Rapid Access

Rapid Refloor XP (D) SRG (D)

Freezer/Cooler Spal-Pro 2000 (I) Armor-Hard Extreme (I)

TOOLS & EQUIPMENT NEEDED

Preferred:

Right angle grinder with dustless shroud, Diamond blades, Chipping hammer, Diamond cup wheel or similar, Vacuum system

Minimal:

Right angle grinder with dustless shroud, Diamond blades, 3 lb. hammer, Cold chisel, Diamond cup wheel or similar, Shop vacuum

Note: This same process can also be used for defects less than 6" in heavy trafficked floors.













(I) = Industrial

SURFACE REFINEMENT

Difficulty Of Repair





REPAIR MATERIAL OPTIONS

Low Viscosity Structural Repair Polymer Rapid Refloor Pit Grout (I, D) SRG (D)

Proper grinding/polishing equipment is necessary for use of these products. Please speak directly to Metzger/McGuire technical support for guidance.

TOOLS & EQUIPMENT NEEDED

Preferred:

Shot blast equipment, Drill with Nyalox or soft wire wheel, Vacuum, Steel trowel (stand up)

Minimal:

Drill with Nyalox or soft wire wheel, vacuum, Hand held steel trowel

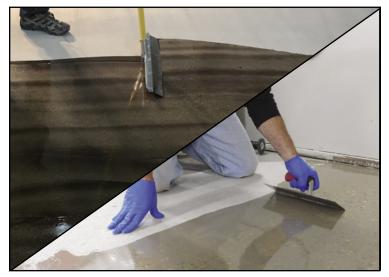
Note: When grinding and polishing interior floors there may be small surface imperfections which need to be filled. These imperfections may vary from small air (pin) holes to larger surface deterioration. This system encapsulates surface repairs less than 1/2" in diameter.











(I) = Industrial

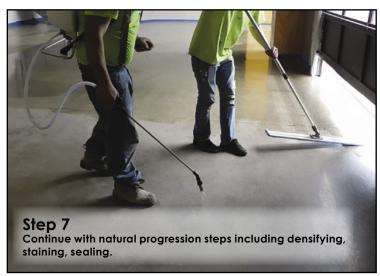
SURFACE REFINEMENT

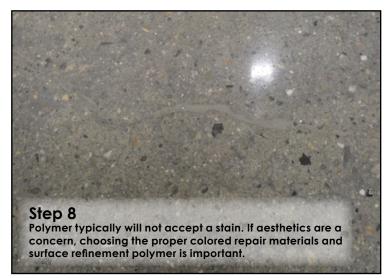
Difficulty Of Repair















(I) = Industrial (D) = Decorative

TOOLS & ACCESSORIES REFERENCED IN THIS GUIDE

— TYPICAL EXAMPLES —











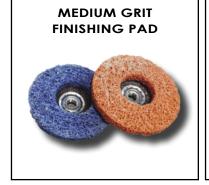


















)" 1" 2" 3" 4" 5" 6" 7"

APPROXIMATE MATERIAL COVERAGE RATES

Narrow Joints and Cracks

 $1/8 \times 3/4'' = 200 \text{ lf/gal.}$ $3/16 \times 3/4"$ = 135 If/gal. $1/4 \times 3/4''$ = 100 If/gal.1/8 x l" 1/4 x 1" = 150 lf/gal.3/16 x 1" = 100 If/gal.= 80 If/gal. $1/8 \times 1-1/4'' = 125 \text{ If/gal}.$ 3/16 x 1-1/4" = 85 lf/gal.1/4 x 1-1/4" = 60 If/gal. $1/8 \times 1-1/2" = 100 \text{ If/gal}.$ 3/16 x 1-1/2" = 70 If/gal.1/4 x 1-1/2" = 50 If/gal. $1/8 \times 1-3/4'' = 85$ If/gal. 3/16 x 1-3/4" = 60 If/gal. $1/4 \times 1-3/4$ " = 45 If/gal. 1/8 x 2" = 75 If/gal.3/16 x 2" = 50 If/gal.1/4 x 2" = 40 lf/gal.

Wider Joints and Cracks

 $3/8 \times 3/8'' = 135 \text{ If/gal.}$ $3/4 \times 1/2"$ = 50 If/gal. $1 \times 3/4''$ = 25 If/gal. $3/8 \times 1/2"$ = 100 lf/gal. $3/4 \times 3/4"$ = 35 If/gal.1 x 1" = 20 If/gal. $1/2 \times 1/2"$ = 80 If/gal.1 x 1/2" = 40 If/gal.1 x 2" = 10 If/gal.

Converting Gallon Coverage Rates for Cartridge Units

To determine coverage rates for cartridge units divide the gallon rates listed above by the following factors:

450 ML Divide Gal. Yield by 8

900 ML Divide Gal. Yield by 4

600 ML Divide Gal. Yield by 6

1500 ML Divide Gal. Yield by 2.5

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250 ML Divide Gal. Yield by 15

Sand Modification Yields

Defect Repair Yields

Liquid Epoxy + Silica Sand = Mortar Yield GAL. EPOXY + GALS. SAND = GALS. MORTAR			Standard Material Kit and Cartridge Units		
			UNIT SIZE	NET MATERIAL YIELD	
1	1	1.6	250 ML UNIT	16.50 cubic inches	
1	1.5	1.9	450 ML UNIT	28.75 cubic inches	
1	2	2.2	600 ML UNIT	38.34 cubic inches	
1	2.5	2.5	900 ML UNIT	57.50 cubic inches	
1	3	2.8	1500 ML UNIT	98.83 cubic inches	
			GALLON UNIT	230.00 cubic inches	

Note: The above figures are approximate and for estimating purposes only. The rates shown do not allow for substantial waste, overfill, etc. Results may vary due to factors including material loss at joint base, grade of silica used, etc. Metzger/McGuire assumes no liability for results from using these figures.



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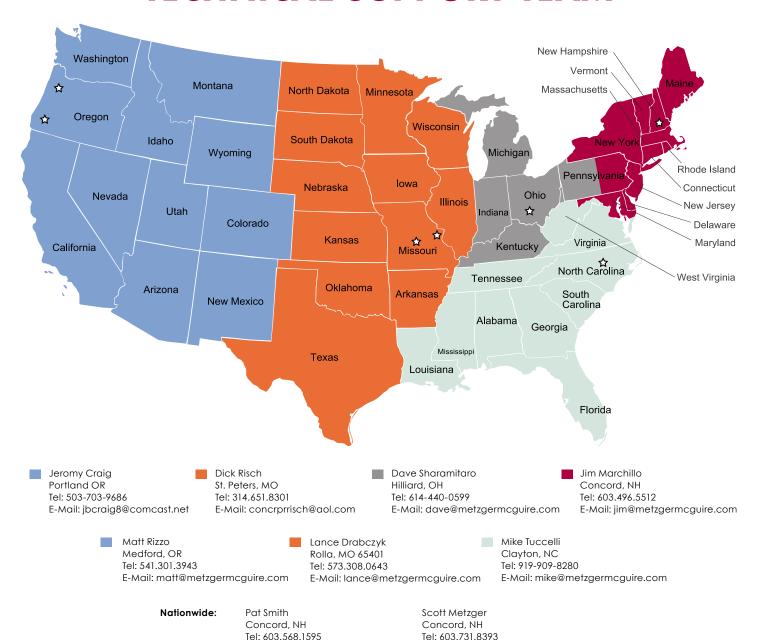
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Click here or scan QR code to use our Coverage Calculator!





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