

# DURABLE CONTROL JOINTS IN CONCRETE SLABS ON GRADE



IS YOUR SPECIFICATION  
UP-TO-DATE?



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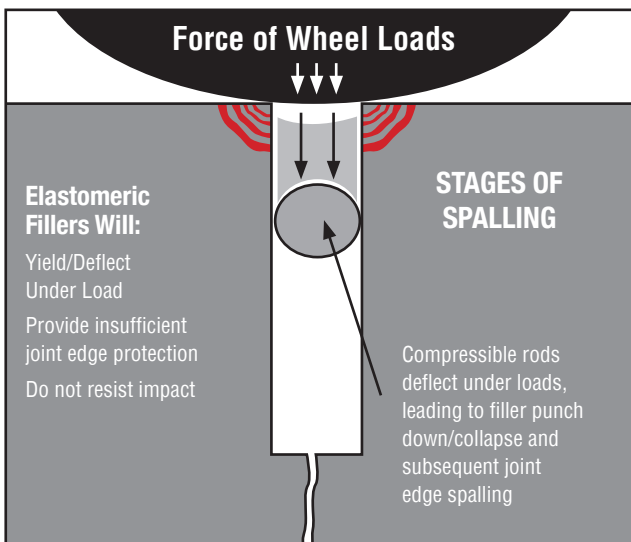
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## THE CONCEPT OF A PROPER INDUSTRIAL FLOOR JOINT FILLER

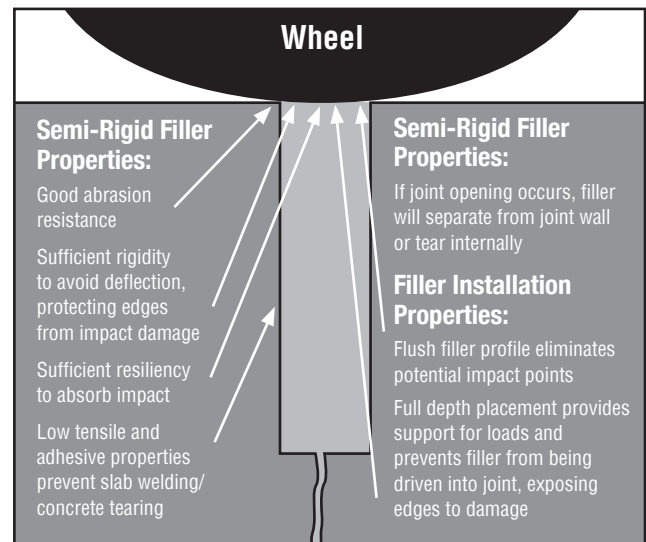
### ELASTOMERIC SEALANTS DO NOT PROVIDE PROPER JOINT EDGE PROTECTION



### ELASTOMERIC SEALANTS ALLOW JOINT EDGE DAMAGE

Elastomeric sealants typically have expansion capabilities of 25-50%. The reasoning for using elastomeric sealants in floor joints was the perception that they would accommodate the joint opening movement as the concrete went through its shrinkage process. They will not, especially on trafficked concrete floors. Additionally, their lack of hardness and placement over compressible backer rods do not provide suitable support for the loads crossing the joint, leading to filler collapse and joint edge damage.

### SEMI-RIGID JOINT FILLERS PROVIDE LONG-TERM JOINT EDGE PROTECTION



### CONCEPT OF A BETTER INDUSTRIAL FLOOR JOINT FILLER

The primary function of floor joint filler is to restore the original, pre-jointed surface continuity and load bearing capacity of the floor. This means proper joint filler must support traffic without deflecting under loads – leaving joint edges exposed to potential impact. Proper joint filler should also have good abrasion resistance. At the same time, the filler must not restrict the slab from opening at the joints during the shrinkage process. Semi-Rigid fillers meet all these criteria.






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

PRODUCT			
<b>Application Range</b>	Ambient / Cooler / Freezer	Ambient / Cooler	Ambient / Cooler
<b>Product Description</b>	Rapid Set, Semi-Rigid Polyurea Repair Polymer	Fast Set, Low Viscosity Structural Repair Product	Quick Set, Multi-Temp, Structural Epoxy Mortar
<b>Typical Uses</b>	Fill or repair control and construction joints in industrial and retail concrete floors Repair active cracks exceeding 1/8" in width	Structurally repair concrete surface defects including pop-outs, gauges, nail holes, etc Repair static cracks less than 1/8" in width	Rebuild/repair control and construction joints in industrial and retail concrete floors Repair wide surface defects
<b>Shore Hardness</b>	A95-100	D70-75	D86+
<b>Tensile Strength</b>	2850psi	5500psi	1400psi
<b>Compressive Strength</b>	Not tested	4000psi	10,500psi
<b>Adhesion to Concrete</b>	350psi	Concrete Fails	Concrete Fails
<b>Application Method</b>	Dual Pump or Cartridge	Cartridge	Hand Mix
<b>Pot Life</b>	NA - No Hand Mix	NA - No Hand Mix	12 Minutes
<b>Tack Free</b>	3-5 Minutes	1-1.5 Minutes	1 Hour
<b>Full Traffic Ready</b>	30 Minutes	15-30 Minutes	2-4 Hours
<b>Colour Fast</b>	No	Yes	No
<b>Mix Ratio</b>	2:1 by Volume	1:1 by Volume	5:1 by Volume
<b>Available Packaging</b>	900ml Dual Cartridge 60 Litre Unit	600ml Dual Cartridge 250ml Universal Cartridge	5 Litre Kit 115 Litre Kit



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For more than 35 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 line 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			
<b>Application Range</b>	Ambient / Cooler	Ambient / Cooler	Ambient
<b>Product Description</b>	Rapid Set, Semi-Rigid Polyurea Joint Filler	Rapid Set, Semi-Rigid Polyurea Joint Sealant	Heavy Duty, Semi-Rigid Epoxy Joint Filler
<b>Typical Uses</b>	Fill or repair control and construction joints in industrial and retail concrete floors Repair active cracks exceeding 1/8" in width	Seal control and construction joints in retail and commercial concrete floors Repair active cracks exceeding 1/8" in width	Fill or repair control and construction joints in industrial and retail concrete floors Repair active cracks exceeding 1/8" in width
<b>Shore Hardness</b>	A86-90	A64-69	A90-95
<b>Tensile Strength</b>	970psi	866psi	1200psi
<b>Compressive Strength</b>	180%	458%	80-90%
<b>Adhesion to Concrete</b>	350-400psi	400-450psi	300-950psi
<b>Application Method</b>	Dual Pump or Cartridge	Dual Pump or Cartridge	Dual Pump or Hand Mix
<b>Pot Life</b>	NA - No Hand Mix	NA - No Hand Mix	10-15 Minutes
<b>Tack Free</b>	5 Minutes	2 Minutes	5 Hours
<b>Full Traffic Ready</b>	1 Hour	1 Hour	8-12 Hours
<b>Colour Fast</b>	Yes	Yes	No
<b>Mix Ratio</b>	1:1 by Volume	2:1 by Volume	1:1 by Volume
<b>Available Packaging</b>	600ml Dual Cartridge 40 Litre Unit	900ml Dual Cartridge 40 Litre Unit	10 Litre Unit 40 Litre Unit



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# DURABLE CONTROL JOINTS IN CONCRETE SLABS ON GRADE



WHEN IT COMES TO CONCRETE FLOOR JOINT FILLERS AND REPAIR PRODUCTS, "STANDARD GREY" IS NO LONGER THE ONLY COLOUR STANDARD

# COLOR FAST

*Floor Joint Fillers and Repair Materials for Colored Concrete Floors*



With the increased use of integral colours, stains and polishing on concrete floors, concrete has gone from being a simple, utilitarian grey 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 joint fillers and repair products available in a range of colours to both protect and enhance the floor while offering cost-effective and durable solutions.

**Metzger/McGuire's colourfast line is the perfect solution when aesthetics are just as important as durability and longevity.**

AGREEABLE GRAY	CARDBOARD	FAWN PEBBLE	LIMESTONE	RYNO GRAY	LESS BROWN	BRICK PAVER
ANTIQUE CORK	CAST IRON	FINE WINE	MEIJER BROWN	SAFARI	DOVETAIL GRAY	DEEP SEA DIVE
BASIL	CHATEAU GRAY	FRENCH ROAST	MOCHA BROWN	SIERRA REDWOOD	BURNT SIENNA	INTELLECTUAL GRAY
BAVARIAN OAK	CLEAR/NATURAL	GAUNTLET GRAY	MOSSY GOLD	STANDARD GRAY	RELIC BRONZE	PORPISE
BLACK	COBBLE BROWN	GRAND CANAL	OILED TEAK	TERRA COTTA	KALE GREEN	WARM STONE
BLACK FOX	CURRY	GRAY AREA	OUTERSPACE	TRAFFIC YELLOW	DORIAN GRAY	WELL BRED BROWN
BREVITY BROWN	DARK KNIGHT	HIGH TEA	PEWTER	TURKISH COFFEE	BROWNSTONE	



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