



## INSTALLATION INSTRUCTIONS

RAPID REFLOOR Fast Set, Low Viscosity Structural Concrete Repair Product

### Technical Assistance

Complete technical support and literature are available by contacting our NH headquarters at 800-223-6680.

### Product Description

Composition: Rapid Refloor is a two-component, 100% solids structural polyurethane/polyurea hybrid. When cured, Rapid Refloor is a rigid structural polymer with a Shore D Hardness of 70-75.

### Limitations

- Rapid Refloor is a structural repair product and should not be used as a floor joint filler.
- Rapid Refloor is a structural repair product with very high adhesive and tensile properties; consequently it will restrain concrete movement wherever placed and may lead to concrete tearing if substantial concrete movement occurs after placement.
- Rapid Refloor is not designed for use in temperatures below 32°F (0°C).
- Rapid Refloor overfill may leave a light stain/shadow on some concrete surfaces.
- Rapid Refloor may exhibit a moisture reaction on damp or wet surfaces; repair area should be clean and dry.

### Installation

Rapid Refloor is designed to be mixed using a universal or dual cartridge kit with appropriate gun or by hand in very small amounts. Material should be preconditioned to 70°-80°F (21°-27°C) prior to use for best results. Rapid Refloor is designed for use in concrete floors at temperatures of 32 degrees F (0°C) or higher. If concrete temperature is lower than 32°F, temporary heat tenting, etc. must be used to warm up floor area prior to installing material.

### Using dual-component cartridges

Prepare cartridge for dispensing with static mixer and flow restrictor per kit instructions. Material should be dispensed at a moderate pace using steady pressure. Keep a waste container (disposable cup) handy to dispense Rapid Refloor liquid at start of application or if dispensing is delayed for more than 30 seconds (to avoid cured material in mixer tip).

### Using Rapid Refloor and Grinding/Polishing

If using Rapid Refloor to repair surface defects in conjunction with grinding/polishing decorative concrete floors we recommend the following:

Install Rapid Refloor after initial course grind but prior to second grind. This will help ensure that any residual staining or shadowing from Rapid Refloor overfill is removed in second grind. If staining is a critical concern, test an inconspicuous area first to confirm that stain is removed during subsequent grinds.

When grinding cured Rapid Refloor, metal or resin pads with 80 grit or finer should be used for best results.

Best results are obtained by first grinding off any excessive overfill with a cup grinder. It is further recommended that grinding operations be delayed for 30 minutes or more after initial Rapid Refloor placement (at 70°F/21°C), longer for very thin applications.

### Defect Preparation and Repair

Repair area should be completely free of dust, debris, dirt, oils and moisture prior to application of material.

### Surface Defects/Spalls

Remove all loose concrete chips, spalls, islands, etc. back to structurally sound concrete with a hammer and chisel or dry cut saw equipped with diamond blade.

Slightly overfill defect and monitor the installation for any seepage. If seepage into defect is detected, rapidly dispense additional material to restore flushness with surface. After Rapid Refloor cures into a hard solid (approximately 25 minutes) grind off any excess flush with surface using a cup grinder with medium grit pad such as Norton's Rapid Strip or 20X Flap Disc pads or Gator Finishing Products' Ultra Power 4.5" Medium Finishing Discs.

### Anchor Bolt Holes

If anchor is still intact cut off as much of the bolt as possible prior to slightly overfilling defect with Rapid Refloor.

### Random Cracks

Cracks up to 1/8" (3 mm) in width should be cleaned using a soft wire wheel or brush and wiped with solvent to remove dirt or oils prior to filling with neat Rapid Refloor. Fill/overfill crack with neat Rapid Refloor and grind off any high spots after cure.

For cracks wider than 1/8" (3 mm) or cracks where continual movement is suspected an alternate recommended repair method is to rout out the crack using a diamond blade to a depth of 1/2" (12 mm) to 3/4" (18 mm) and filling the crack with a semi-rigid filler such as our Spal-Pro RS 88 or MM-80 Joint Fillers.

### Safety

Rapid Refloor is for industrial use only. Use only in well ventilated areas. Practice all normal job site safety precautions (clear work area, etc). Thoroughly review MSDS for additional information prior to use.

### Warranty

Metzger/McGuire Co. solely and expressly warrants that Rapid Refloor shall be free from defects in material and workmanship for 180 days 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.

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