

## Rapid-hardening, high strength, deep fill repair mortar for all types of concrete repairs

### PRODUCT DESCRIPTION

**Fast-Patch™** is a thin-section, rapid-hardening composition that is flexible, resilient and easy to clean. Fast-Patch™ produces a durable, low cost, yet attractive appearance. Fast-Patch™ can be installed over concrete when pre-smoothing or pitch is required. Typical thickness up to 1 ½ of an inch (38 mm) are easy to achieve. Fast-Patch™ is light in weight and at approximately 1.2 lbs. per square foot. It can be used in the widest ranges of climates and is offered in slip-resistant profiles. Fast-Patch™ is supplied as light gray powder.

Important characteristics of Fast-Patch™ are its extraordinary adhesion coupled with its ability to withstand prolonged pedestrian and vehicular traffic. In these respects the material is far superior to conventional cementitious coatings used to resurface old or worn concrete.

Fast-Patch™ provides a tough retardant coating, which substantially reduces or prevents water penetration, freeze thaw, scaling and concrete carbonation.

### WHERE TO USE

- Restoration
- Sidewalk Restorations
- Concrete Restorations

### COVERAGE RATES

48 sq. ft. @ 1/8"  
24 sq. ft. @ 1/4"  
12 sq. ft. @ 1/2"  
6 sq. ft. @ 1"

### TECHNICAL DATA

#### Typical physical properties @ 75°F (24°C)

<b>Water Demand</b>	4 to 5 quarts/ 50lb bag
<b>Bond Strength</b> ASTM C-932 Modified	200 psi (no priming)
<b>Water Absorption</b> – Weight gain by 4" coated concrete cube after 21 days water immersion (CMHC)	<2%
ME 8211-009230 (2" material cube, immersion 48 hrs)	8.79%
ASTM C642	1.61%
Volume of permeable voids	5.07%
<b>Water Vapor Permeability</b> ASTM E96	1.95 Perms/inches
<b>Freeze/Thaw</b>	No Scaling, peeling, flaking
Coated concrete cylinders immersed 8 hrs. in Saltwater solution followed by 16 hrs. freezing. 50 cycles	
<b>Weathering</b> ASTM G153-04	60 cycles, no visible degradation (Weatherometer – Method 1 Procedure)
<b>Resistance to Wind Driven Rain</b>	@5" water or dampness
Fed Spec. TT-C-565-B	On back of text panels
<b>Compressive Strength</b> ASTM C579, Method A	5000 psi
<b>Shore Hardness</b> ASTM D-2240	Durometer "A":>90
<b>Impact Resistance</b> MIL-D-3134, Para. 4.7.3 (2 lob steel ball dropped from 8 ft. height onto coated steel plate)	No cracking or detachment
<b>Flammability</b> ASTM E84	Flame Spread 4
<b>Tensile Strength</b> ASTM C307	Smoke Density U 465 psi.
<b>Initial Set</b> ASTM C266	2 hrs.
<b>Final Set</b> ASTM C266	6 hrs.
<b>Flexural Strength</b> ASTM C580	>1,000 psi
<b>Shrinkage</b> ASTM C531	<0.2%

## FOR PROFESSIONAL USE ONLY

Technical Assistance, Specifications and Sales

CALL Nationwide Toll-Free 1-800-443-2871 Fax 1-801-544-5896

## ADVANTAGES

- Rapid setting
- Rapid hardening
- Faster cure speed in cold weather versus standard repair mortars. Cures rapidly, as low as 45°F.
- Just needs water. Reduces mixing errors.
- Reduced storage space
- Freeze-thaw stable
- Can be pulled to a feather edge
- Thickness above 1 ½ inch can be achieved by incorporation of pea gravel.
- Can be applied to vertical and overhead surfaces.

## PACKAGING

Fast-patch™ (50 pound bag)

### MIX RATIO

50 pound bag powder : 4 - 5 quarts water.

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## SHELF LIFE AND STORAGE

Shelf life will be 1 year from the date of manufacture as long as containers remain unopened and when material is stored in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

## OVERVIEW OF INSTALLATION STEPS

- Prepare surface by careful and thorough removal of laitance, grease and foreign matter.
- Primer coat optional. In most cases will not be necessary.
- Apply Fast-Patch™ according to installation guidelines.
- Working time is 15 minutes at 75°F.

## LIMITED WARRANTY

"Concrete Coatings Inc. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Concrete Coatings Inc. current published physical properties when applied in accordance with Concrete Coatings Inc. written directions and tested in accordance with ACI, ASTM and Concrete Coatings Inc. Standards. Product proved to be defective will be replaced. **There are no other warranties by Concrete Coatings Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others."

## For best Results:

Install a minimum 4" by 4" test area site mock up for approval of acceptable color, texture, finish, adhesion and any other critical requirement acceptable to the owner prior to proceeding with the installation.

Verify current versions of technical information sheets (TIS) and material safety data sheets (MSDS) at [www.concretecoatingsinc.com](http://www.concretecoatingsinc.com)

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thickness and rate are obtained.

## LIMITATIONS

- Not designed for large, deep pours. (>2 ½ inches). Localized deep pours are achievable.
- Do not install in freezing weather.
- Shade variations may occur with natural cement color material.
- Not suitable for use in areas where acids are spilled unless specifically protected with a special acid resistant sealer.

## MAINTENANCE

For maximum sheen and cleanability, floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

## SPECIFICATION ASSISTANCE

The technical data contained herein is the result of tests made in CCI's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results