



# MiraPatch RM 2

## Product Technical Data Sheet

Miracote MiraPatch RM 2 is a two-component unit consisting of a synthetic rubber latex liquid which is blended and stabilized together with a dry component containing a dehydrating powder and curing chemicals. MiraPatch RM 2 is used as a squeegee grade underlayment

### WHERE TO USE

A latex mastic composition for use over wood, concrete, steel and other SURFACES as a

Leveling Coarse for:

- Smoothing uneven surfaces
- Covering heating conduit in concrete
- Covering insulation
- Providing drainage

Underlayment for:

- Resilient tile
- Ceramic tile
- Linoleum
- Latex Mastic Finishes
- Carpet
- Many types of troweled composition floors and promenade roof surfaces

### ADVANTAGES

- Resilient
- Solves difficult bonding problems
- Easily installed
- Can be installed by squeegee
- Crack resistant
- Sound absorbing
- Excellent adhesion
- Trowels smooth
- Broad application temperature range
- Vermin proof
- Engineered dry mix for maximum performance
- Compatible with most adhesives
- Contains no solvents
- Excellent adhesion to concrete, tile and many other substrates
- Compatible for application over Miracote Liquid Catalyst Primer

### COVERAGE RATES

146.2 sq. ft. @ 1/32 inch  
73.1 sq. ft. @ 1/16 inch  
36.5 sq. ft. @ 1/8 inch  
18.2 sq. ft. @ 1/4 inch  
9.1 sq. ft. @ 1/2 inch  
4.5 sq. ft. @ 1 inch

### PACKAGING and COLORS

5-gallon pail  
40-pound bag

### MIX RATIO

1 Gal. Liquid to (1) 40-pound bag powder

### SHELF LIFE AND STORAGE

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

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

<b>Compressive Strength</b> ASTM C109 .....	6,000 psi
<b>Tensile Strength</b> ASTM C307.....	900 psi
<b>Flexural Strength</b> ASTM C580.....	1,200 psi
<b>Hardness</b> ASTM D2240, Shore D .....	70-75
<b>Adhesion</b> ASTM D4541 .....	>400 psi (100% failure in concrete)
<b>Indentation</b> MIL-D-3134, Para 4.7.4.2.1 .....	2.26% (Steadily Applied Load, 2,000 lbs. on 1" steel Ram imposed for 30 min.)
<b>Adhesion</b> MIL-D-3134, Para. 4.7.1.4.....	305 psi (Shear from Steel Plate after 96 hours)
<b>Water Absorption</b> MIL-D-3134.....	3.14%
<b>Impact Resistance</b> (Gardener Impact Tester)	No chipping, cracking or delamination and not more than 0.014" loss of adhesion
<b>Dry Weight @ 1/8"</b> .....	1.3 lbs/sq. ft.
ASTM C109 Compressive .....	4 day ..... 3,950 psi
.....	7 day ..... 4,200 psi
.....	28 day ..... 5,250 psi
ASTM C307 Tensile Strength.....	Average..... 873 psi
ASTM C580 Flexural Strength.....	1,219 psi
<b>Bond Strength</b> (in shear) .....	150 psi
<b>Flow at Elevated Temp.</b> (300°F for 4 hrs.) .....	None
<b>Corrosive Effect on Aluminum or Steel</b> .....	None
<b>"K" Factor</b> .....	4.43 (Thermal Conductivity at a Mean Temp. of 70°F)

### OVERVIEW OF INSTALLATION STEPS

- **Application Thickness**
  - Spread at feather edge up to 1 inch
  - Non-shrink divot filler
- **Installation**

MiraPatch RM 2 is installed over any approved subsurface in strict accordance with the manufacturer's printed application specification.

### 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 product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guidelines (IG) at [www.miracote.com](http://www.miracote.com).

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

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### LIMITATIONS

- Requires Primer over porous surfaces
- Efflorescence can develop as a result of the migration of water and can result in the failure of substrate or bond

### PRODUCT AVAILABILITY

Crossfield Products Corp. Miracote maintains offices and factories at addresses listed below. Miracote products are available for purchase through reputable distribution in the building trades.

### MAINTENANCE

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

### SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

### CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

### TESTING

The technical data contained herein is the result of tests made in Crossfield'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.

### LIMITED WARRANTY

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**CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.**



**Miracote Product Line  
Crossfield Products Corp**

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