



Product Information Sheet

MIRACOTE[®] RM II (Repair Mortar and Underlayment)

1. PRODUCT DESCRIPTION

A. COMPOSITION

RM II 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.

B. TYPICAL USES

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

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Resilient
2. Solves difficult bonding problems
3. Easily installed
4. Crack resistant
5. Sound absorbing
6. Excellent adhesion
7. Trowels smooth
8. Broad application temperature range
9. Vermin proof
10. Engineered dry mix for maximum performance
11. Compatible with most adhesives
12. Contains no solvents
13. Excellent adhesion to concrete, tile and many other substrates
14. Compatible for application over Miracote Liquid Catalyst Primer

LIMITATIONS:

1. Requires Primer over porous surfaces
2. Efflorescence can develop as a result of the migration of water and can result in the failure of substrate or bond
3. Moisture vapor transmission (MVT) in excess of 6.0 lbs./1000 sq/ft/per 24 hr. period per ASTM F1869, may

result in delamination, discoloration or improper curing. Use Miracote MVERS[™] Primer vapor control membrane over substrates, which have MVT emissions that exceed these limits. Consult with Crossfield prior to using MVERS Primer if moisture vapor transmission exceeds 15 lbs/1000 sq/ft/per 24 hr period per ASTM F1869.

D. APPLICATION THICKNESS

Spread at feather edge up to 1 inch
Non-shrink divot filler
Filler for expanded metal lathe over wood

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

A. Dry Weight @ 1/8"	1.3 lbs/sq. ft.
ASTM C109 Compressive	4 day – 3,950 psi 7 day – 4,200 psi 28 day – 5,250 psi Ave – 873 psi
ASTM C307 Tensile Strength	1,219 psi
ASTM C580 Flexural Strength	150 psi
B. Bond Strength (in shear)	None
C. Flow at Elevated Temp. (300°F for 4 hrs.)	None
D. Corrosive Effect on Aluminum or Steel	None
E. "K" Factor	4.43
(Thermal Conductivity at a Mean Temp. of 70°F)	
F. Adhesion @ up to 1/8" thick	192 psi
(Shear from steel plate)	
G. Adhesion @ up to 1/4" thick	122 psi
H. Compression Strength Loss after Three Days	
Immersion in 140°F	4% max
I. Impact Resistance	No cracking or loss of adhesion
(2 lb. steel ball dropped from 8-ft height	
samples on steel plate)	
Indentation @ up to 1/8"	.023"
Indentation @ up to 1/4"	.048"

3. INSTALLATION

- A. Miracote Installation Guideline ICH 361 describes installation procedure, substrate preparation, tools, equipment and materials required or recommended.
- B. RM II is installed over any approved subsurface in strict accordance with the manufacturer's printed application specification.

4. PRODUCT AVAILABILITY

Miracote Products/Systems are available from Authorized Miracote Distributors or from Crossfield Products Corp.

5. 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.

6. MAINTENANCE

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

7. SPECIFICATION ASSISTANCE

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

8. 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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



**MIRACOTE PRODUCT LINE
Crossfield Products Corp.**

**Western Division
3000 E. Harcourt Street
Rancho Dominguez, CA 90221
310-886-9100
310-886-9119 fax**

**Eastern Division
140 Valley Road
Roselle Park, NJ 07204
908-245-2800
908-245-0659 fax**

www.miracote.com