ML PRIMER

PRODUCT DESCRIPTION
Miracote ML. Primer is a two component, water-based epoxy primer designed as an adhesion promoter. ML Primer functions as a penetrating/breathing primer, which ties physically into concrete by penetrating up to 300 microns.

WHERE TO USE
Miracote ML. Primer is used to seal new or existing concrete, prior to the application of polymeric flooring, polymeric decking or conventional flooring products.

ADVANTAGES
- Excellent adhesion and flexibility.
- Reduces negative effect of Moisture Vapor Transmission in concrete.
- Reduces installation time (fast setting).
- VOC Compliant.
- Low odor.
- Tools can be cleaned with water.

COVERAGE RATES
320 sq. ft per gallon for one coat at 5 mils wet film thickness.

PACKAGING AND COLORS
- 7077 ML Primer (A – 1 gallon can)
- 7078 ML Primer (B – ½ gallon can)
- 7079-2GPA ML Primer (A – 2 gallon pail)
- 7079 ML Primer (A – 5 gallon pail)
- 7080-1GCA ML Primer (B – 1 gallon can)
- 7080 ML Primer (B – 5 gallon pail)

MIX RATIO
Two parts by volume Comp. A to one part by volume Comp. B.

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 stored in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

TYPICAL PHYSICAL PROPERTIES @ 75F (24C)
- Adhesion to Concrete >500 psi
- Non-volatiles (percent by weight) 39.1
- Density 8.7
- Pot Life 4.0 hours
- Re-coat Window for Water-Based Topcoat 0 to 24 hours
- Re-coat Window for 100% Solids Topcoat 4 to 24 hours
- Direct Impact 25 in/lbs
- Reverse Impact 25 in/lbs
- Taber Abrasion 170 mg loss

OVERVIEW OF INSTALLATION STEPS
((Please refer to the following and contact Miracote with questions))
- Shot-blast and clean all concrete surfaces removing grease and loose debris.
- If concrete surface is damp, remove puddles, but leave concrete damp for ML Primer application.
- Mix A or B components of ML Primer together.
- Apply ML Primer in a thin film with a short nap roller (¼” nap roller). Do not build film of the primer, but roll out so that it soaks into the surface. Two coats of primer may be necessary on porous surfaces to insure uniform coverage.
- When primer turns from cloudy to clear, it is possible to apply a water-based topcoat.
- If applying a 100% solids epoxy topcoat, allow ML Primer to cure for four hours minimum before applying topcoat. Do not exceed 36 hours on the re-coating of the ML Primer. If 36 hours is exceeded, an additional application of ML Primer is required. 6 to 24 hours is the optimum re-coat time.
- Depending on the porosity of the concrete, the coverage rate of ML Primer is between 325 and 375 square feet per gallon for one coat. Over extremely porous surfaces, a second coat may be necessary.

Caution: Carefully read and follow instructions on MSDS.

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.
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.
ML PRIMER

LIMITATION

- Efflorescence can develop as a result of the migration of water and can result in the failure of substrate or bond or discoloration of the surface.
- Not recommended for Solvent-based Topcoats.

PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

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

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield’s obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product’s shelf life, by the original purchaser and which Crossfield’s examination shall disclose to Crossfield’s satisfaction to be thus defective.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD’S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD’S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIAL NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM “ORIGINAL PURCHASER” IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.

MIRACOTE PRODUCT LINE

Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.miracote.com