



# MiraPrime ML

## Product Technical Data Sheet

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

### 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.
- Available through Miracote distributors.

### COVERAGE RATES

320 sq. ft. per gallon for one coat @ 5 mils WFT

### PACKAGING and COLORS

Kit Size: 1.5 gal, 3 gal and 15 gal

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

### WHERE TO USE

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

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

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

### 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.

### OVERVIEW OF INSTALLATION STEPS

- Shot-blast and clean all concrete surfaces removing grease and loose debris.
- If concrete surface is damp, remove puddles, but leave concrete damp for MiraPrime ML application.
- Mix A and B components of MiraPrime ML together.
- Apply MiraPrime ML in a thin film with a short nap roller (1/4" 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 MiraPrime ML to cure for four hours minimum before applying topcoat. Do not exceed 36 hours on the re-coating of the MiraPrime ML. If 36 hours is exceeded, an additional application of MiraPrime ML is required. 6 to 24 hours is the optimum re-coat time.
- Depending on the porosity of the concrete, the coverage rate of MiraPrime ML 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.

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### LIMITATIONS

- 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. 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

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

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



**Miracote Product Line**  
**Crossfield Products Corp**

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