



# MiraFlor MC-5

## Product Technical Data Sheet

Miracote MiraFlor MC-5 Flexibilized Epoxy is a polyurethane modified epoxy resin composition designed to provide crack reduction and waterproofing under various floor and deck systems through crack isolation.

Miracote MiraFlor MC-5 is designed for use underneath Miracote finished seamless flooring or, frequently, other types of floor finish such as ceramic tile.

Among the surfaces that Miracote MiraFlor MC-5 can cover are prepared concrete, wood or plywood (after special preparation), and many existing floor finishes.

### ADVANTAGES

- Forms a monolithic, tightly adhering, molded membrane across floors and up bases, etc.
- Thin section – no depression of slab required.
- Can be applied over new and existing surfaces.
- Available through Miracote distributors.

### COVERAGE RATES

54 sq. ft. per mixed gallon

### PACKAGING and COLORS

Kit Sizes: 1 gal, 4 gal and 20 gal.

### MIX RATIO

3 parts by volume Comp. A to 1 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

As a waterproofing and crack isolation membrane directly under finished floors is secondary containment areas, under terrazzo and ceramic tile, and beneath industrial floor applications. Among the areas that this membrane is applicable are hospitals, commercial kitchens, shopping malls, industrial plants, bio medical facilities, animal housing, mechanical equipment rooms, etc., as a flexible crack filler and sealant in concrete decks under Miracote cementitious coatings.

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

Tensile Strength.....	1,500 psi
Tensile Modulus .....	17,150 psi
Tensile Elongation .....	96%
Tear Strength.....	120 lb/in

### 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 guides (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

- Prepare surfaces by removal of laitance, grease, and foreign matter – consult Crossfield Products Corp. for wood surface preparation.
- Apply Miracote epoxy bondcoat to cracks, floor and wall base surfaces.
- Apply Miracote MiraFlor MC-5 by trowel or squeegee to cracks, floor and wall base surfaces.
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### LIMITATIONS

- Concrete surfaces over which MiraFlor MC-5 is to be applied should be free of large “working” cracks, any of which should be polyurethane sealant treated.
- Requires functioning vapor barrier beneath on-grade concrete floor to prevent upwards water vapor transmission, which may result in loosening of epoxy floors or improper curing of epoxy materials.

### 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.

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.

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



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Crossfield Products Corp**

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