



MEMBRANE B

Liquid Waterproofing Membrane

PRODUCT DESCRIPTION

Miracote Membrane B is a specially formulated polymer emulsion waterproofing designed for use over metal flashing, beneath ceramic tile, marble, quarry tile, below grade, between slab and under Miracote composition floors and decks.

Membrane B is recommended for tank lining in potable water drinking systems. Membrane B is based on a unique acrylic emulsion that dries to form a tough water and vapor resistant film. The latex is water based, environmentally friendly and does not contain any solvent. Cold weather application is achieved with this membrane technology.

Applied by roller, trowel, spray or squeegee, Miracote Membrane B offers tenacious adhesion, water protection, and is more resistant to impact than most membranes. It is applied to floors and molded up onto bases, over curbs, etc. without the use of any adhesive other than its own composition. Among the surfaces Membrane B can cover are lath, metal flashing, concrete, tile and other metals including copper. For wood surfaces, consult Crossfield Products Corp.

The final thickness of Miracote Membrane B is 25 mils dry (standard application, two applications of 23-25 mils wet) and 30 mils dry (polypropylene fabric reinforced). Laboratory tests have established that Miracote Membrane B will bridge concrete cracks up to 1/8" (3.2mm) at temperatures as low as 0°F. However, prudent design would assume that the product could be expected to bridge a crack of up to 1/16" (1.6mm) at its widest point.

WHERE TO USE

As a waterproof membrane directly under seamless composition floors (Miracote or other), ceramic tile, quarry tile, marble, etc. For application as mechanical equipment room waterproofing or computer access floor waterproofing for below grade or between slab applications, consult separate Crossfield Products Corp. specifications.

ADVANTAGES

- Excellent adhesion to tin, aluminum, copper, steel, nickel, and galvanized metal.
- Forms a monolithic, tightly adhering, molded membrane across floors and up bases, curbs, etc.
- Environmentally safe, VOC compliant.
- Reduces reflective cracking caused by substrate movement.
- Thin section does not interfere with building elevations.
- Unlike sheet goods, fluid applied Membrane B can easily be applied to irregular shapes.
- Quick drying – Touch dry in 1-2 hours, fully dry in 12 hours.
- Cures at cold temperature as low as 40°F (4.4°C).

COVERAGE RATES

64 sq ft per gallon
25 mils WFT
12.5 mils DFT
w/Fabric coverage adjustment required using about 20% more Membrane

PACKAGING AND COLORS

7096-5GP	Membrane B (5 gallon pail)
7096-50GD	Membrane B (50 gallon drum)
7096	Membrane B (1 gal pail) <i>25 gallons Minimum</i>

MIX RATIO

Single component. Use as supplied.

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 @ 75°F (24°C)

Waterproofness	No passage of water (Resistance to passage when subjected to 27.7" head of water (hydrostatic pressure of 1 lb/ft) for one month.)
Elongation (with fabric) ASTM D2370.....	82%
Tensile Strength (with fabric) ASTM D2370.....	1586 psi
Bacteria & Fungus Resistance ASTM G22	No growth
Adhesion in Peel to Concrete	8.3 lbs/in width
Moisture Vapor Transmission ASTM E96.....	0.76 Perms
Crack-Bridging ASTM E836 1/8" opening @ 77°F	Pass (No rupture)
Hydrostatic Resistance ASTM D751 Procedure B	Pass
Cold Temperature Flexibility May be folded double, maintains stretch-ability when Immediately removed from freezer	

OVERVIEW OF INSTALLATION STEPS

(Please refer to the following and contact Miracote with questions.)

- Prepare surfaces by removal of laitance, grease, foreign matter, etc. Repair damaged concrete or provide sloping using Miracote Underlayment.
- Prime with Membrane B, cut 50% with water. Allow to dry.
- Apply Membrane B to thickness sufficient to produce 25 mils d.f.t, 12.5 mils dry per coat, two coats. (Incorporate fabric reinforcement as option for thickness of 30 mils). See Installation Guide for coverage per coat.
- Apply cementitious coating protection course (optional).
- Conduct water test of finished installation.
- Optional thickener additive available for vertical applications.



MEMBRANE B

Liquid Waterproofing Membrane

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.

LIMITATION

- Not recommended for application over expansion joints or seismic joints.
- All loose or unsound concrete must be removed and repaired.

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