



MIRACOTE Membrane A

Liquid Waterproof Membrane

Product Information Sheet

1.) PRODUCT DESCRIPTION

A) Composition

Miracote Membrane "A" is a unique polymer emulsion waterproofing designed for use beneath ceramic tile, marble, quarry tile, below grade, between slab, and under Miracote composition floors and decks.

Applied by roller, trowel, spray or squeegee Miracote Membrane "A" offers water protection together with excellent adhesion 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 "A" can cover are concrete, tile and metal. For wood surfaces consult Crossfield Products Corp.

Miracote Membrane "A" is water-based and totally free of volatile organic content. It has no toxic color and can be applied with or without fabric reinforcement. A cementitious coating (fabric reinforced) for protection of Membrane "A" prior to application of tiles, etc. is available.

The thickness of Miracote Membrane "A" is 28 mils (standard application) and 56 mils (polypropylene fabric reinforced)

Laboratory tests have established that Miracote Membrane "A" will bridge concrete cracks up to 1/8" (3,2 mm) at temperatures as low 0°F. However, prudent design would assume that the product can be expected to bridge a crack of up to 1/16" (1,6 mm).

B) Typical Uses

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

Advantages - Limitations

Advantages

1. Forms a monolithic, tightly adhering molded membrane across floors and up bases, curbs, etc.
2. Environmentally safe, VOC compliant.
3. Reduces reflective crackig caused by substrate movement.
4. Thin section does not interfere with building elevations.
5. Unlike sheet goods, fluid applied membrane can easily be applied to irregular shapes.

Limitations

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

2.) PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

a) Waterproofness

Resistance to passage when subjected to 27.7" head of water (hydrostatic pressure of 1 lb./ft.) for one month. *No passage of water*

b) Elongation)

ASTM D-638 *562%.*

c) Tensile Strength

ASTM D-638 *560 p.s.i*

7 days dry/21 days wet

d) Bacteria and Fungus Resistance

ASTM G-22 *No Growth*

e) Adhesion in Peel to Concrete

8.3 pounds per inch width

f) Moisture Vapor Transmission

ASTM E-96
Grams/sq. meter/24 hrs. *2.04g.*

g) Crack-Bridging

ASTM E-836:
1/8" Opening *@ 77°F Pass
(No Rupture)*

h) Hydrostatic Resistance

ASTM D-751
Procedure B *Passes*

I. Permeability

ASTM E-96 *0.013 perm/inches*

3.) INSTALLATION

A) Prepare surfaces by removal of laitance, grease, foreign matter, etc. Repair damaged concrete or provide sloping using Miracote Underlayment.

B) Apply Membrane "A" to thickness sufficient to produce 25 mils d.f.t. (incorporate fabric reinforcement as option for thickness of 56 mils).

C) Apply cementitious coating protection course (optional).

D) Conduct water test of finished installation.

4.) PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and factories at all addresses listed below. Authorized Miracote distributors are established in all major trading areas in the United States, Canada and various European and Far Eastern nations.

5.) SPECIFICATION ASSISTANCE

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