



Product Information Sheet

MIRACOTE® LIQUID MEMBRANE

1.) PRODUCT DESCRIPTION

A) Composition

Miracote Liquid Membrane is a neoprene rubber emulsion waterproofing designed to provide complete water protection together with excellent adhesion – even when applied to damp surfaces. It may be applied over concrete, wood or metal surfaces.

Laboratory test, have established that this material will bridge cracks of up to 1/8" (3,2 mm.) at -15°F. (-26° C). However, prudent design would indicate that the product can be expected to bridge a non-working crack of up to 1/16" (1,6 mm.)

Typical application thickness should be a minimum of 40 mils dry film with special care taken to insure complete coverage at transitions, junctures of surfaces, joints, etc.

When incorporating fiberglass or polypropylene reinforcing fabric, application thickness is approximately 55 mils. The incorporation of fiberglass or polypropylene reinforcement serves as a control to insure proper application thickness as well as providing a continuous coating over cracks and joints.

B) Typical Uses

Miracote Liquid Membrane is used to waterproof certain types of troweled composition floors; concrete, plywood or metal decking, tile mortar beds, etc. The material is also used to waterproof below-grade concrete walls and planters.

C) Advantages – Limitations

Advantages

- Easy to install – single component, fluid or trowel applied
- Will bond to damp surfaces
- Fast curing – multiple layers can be applied the same day
- Forms a monolithic, tightly adhering, molded membrane across decks and up bases, curbs, etc.
- Provides positive waterproofing
- Environmentally safe – contains no organic solvents and is VOC compliant.

Limitations

- Requires sound and properly prepared substrate.
- Not designed for application over expansion joints or major working cracks which should be routed and sealant treated.
- Temperature must be between 40° and 110°F during installation.
- The membrane should not be subjected to direct continuous exposure to the sun, weather and traffic.

2.) PHYSICAL CHARACTERISTICS AND TECHNICAL DATA (Membrane)

- | | |
|----------------------------------|------------|
| a) Elongation (ASTM D-751) 23°C | 245 % |
| -10°C | 45% |
| b) Thickness | 40 mils |
| c) Tensile Strength (ASTM D-751) | 208 p.s.i. |

(Polypropylene Fabric Reinforced Membrane)

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| d) Elongation (ASTM D-751) | 25% |
| e) Thickness | 56 mils |
| f) Tensile Strength (ASTM D-571) | 363 p.s.i. |
| g) Hydrostatic Pressure Resistance
(FHA 4900.1 Section 615-5, Shower Pans)
No visible moisture penetration with 2 ft. water head – | 40 hours
complies |
| h) Puncture Resistance (FHA 4900.1) | complies |

3) APPLICATION

- Clean surfaces of dirt, foreign matter, curing agents, etc. Remove all loose or decomposed matter.
- Apply Miracote Liquid Membrane in two coats by brush, roller, squeegee, trowel or spray.
- If fiberglass-reinforcing mat is used, saturate mat with Miracote Liquid Membrane by brush and roller. If polypropylene fabric reinforcing is used, embed fabric into wet trowel-grade Miracote Liquid Membrane. Apply second coat to fill the weave of the fabric.
- Conduct water testing of membrane after installation to ensure complete waterproofness prior to application of other finished.
- Protection: If protection of the membrane is required, install suitable protection boards or apply two coats of Miracote Protective Coating.

4.) PRODUCT AVAILABILITY

Miracote Liquid Membrane is available from any Authorized Miracote Distributor or from Crossfield Products Corp., Rancho Dominguez CA or Roselle Park, NJ.

5.) SPECIFICATION ASSISTANCE

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