



Product Technical Data Sheet

MIRACOTE® FRACTURE RESISTANT MEMBRANE SYSTEM

1. PRODUCT DESCRIPTION

A. COMPOSITION

This system is a waterproofing membrane with a fabric reinforced cementitious protection layer. The membrane portion of the system is typically installed at a thickness of 40 mils. The fabric reinforced protection layer is typically installed between 125 and 210 mils. It is applied to floors and molded up onto bases, over curbs, etc. The system can be applied over concrete, wood or metal surfaces.

B. TYPICAL USES

As a waterproof, “fracture-resistant” underlayment for use under ceramic tile, quarry tile, marble and certain types of troweled composition flooring. This system is also used as a waterproof traffic surfacing over balconies; sundecks and promenade roof decks in certain climatic regions. Also used between slab, over computer access flooring, mechanical equipment rooms, toilet rooms, shopping malls, commercial kitchens, etc.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Thin section – no depression of slab required.
2. Environmentally safe – contains no organic solvents and is VOC compliant.
3. Provides positive waterproofing.
4. Crack isolation – reduces reflective cracking from the substrate to the final finish.
5. Meets all test requirements of the Ceramic Tile Institute’s specification for waterproof membrane under tile.
6. Can be applied over new and existing surfaces.

LIMITATIONS:

1. Requires sound and properly prepared substrate. All loose or unsound concrete must be removed.
2. Not designed for application over expansion joints or major working cracks which should be routed and sealant treated.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

Hydrostatic Conditioning:

Hydrostatic Control	no water penetration
Indentation Resistance	no water penetration
Alkali Resistance	no water penetration
Puncture Resistance	no water penetration
Fungus Resistance	no growth & no water penetration
Bacteria Resistance	no growth & no water penetration
Breaking Strength	265 psi
Elongation (membrane)	1,150%
Elongation (system)	50.05% Split

Slab Testing

Moderate Commercial &
No water penetration

3. INSTALLATION

- A. Clean surfaces of dirt, foreign matter, curing agents, etc. Remove all loose or decomposed matter.
- B. Apply cementitious Bondcoat to prepared surface by trowel.
- C. Apply Miracote Membrane waterproofing by trowel or squeegee in two coats to achieve a nominal 40 mils. thickness.
- D. Apply cementitious protection coat by trowel. Embed polypropylene reinforcing fabric into the wet material.
- E. Apply cementitious grout coat to smooth out surface (optional).
- F. Apply decorative texture finish and sealer (optional).

4. 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.

5. 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.

6. MAINTENANCE

For maximum sheen and cleanability, floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

7. SPECIFICATION ASSISTANCE

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

8. 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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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