



MiraFlex UTW

System Technical Data Sheet

Miracote MiraFlex UTW (Under Tile Waterproofing) system is a multi-layer, elastomeric waterproofing system for uses under tile, brick, stone or pavers that incorporates two separate layers of waterproofing protection. MiraFlex UTW consists of a polymer emulsion modified latex membrane reinforced with a polypropylene fabric and a cementitious co-polymer protection coat that creates a roll applied monolithic surface while providing a positive side waterproofing. MiraFlex UTW also provides crack isolation properties by inhibiting the transfer of cracks from the substrate to the finished tile surface.

ADVANTAGES

- Fluid applied membrane that conforms to irregular shapes
- Environmentally safe – contains no organic solvents and is VOC compliant.
- Provides positive waterproofing.
- Crack isolation – reduces reflective cracking from the substrate to the final finish.
- Meets all test requirements of the Ceramic Tile Institute’s specification for waterproof membrane under tile.
- Can be installed over any sound substrate

COVERAGE RATES

MiraFlex Membrane A: 64 sq ft per gallon
MiraFlex Membrane A with Poly Fabric:
50sq ft per gallon
MPC: 500 sq ft per unit

PACKAGING

MiraFlex Membrane A: 5 gallon pail
Miracote Poly Fabric 10 inch (300 lineal ft)
Miracote Poly Fabric 40 inch (100 sq ft)
MPC Regular Natural Powder: 55 pound bags
MPC Liquid Catalyst: 5 gallon pail

MIX RATIO

MiraFlex Membrane A: Single Component
Miracote MPC: Two 55 pound bags of regular natural powder to One 5 gallon pail of liquid catalyst

SYSTEM COMPONENTS

MiraFlex Membrane A
Miracote Poly Fabric
Miracote MPC

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.

WHERE TO USE

- Wet room environments
- As a waterproof, “fracture-resistant” underlayment for use under ceramic tile, quarry tile, marble and certain types of troweled composition flooring.

TYPICAL PHYSICAL PROPERTIES @ 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

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.

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

- Clean surfaces of dirt, foreign matter, curing agents, etc. Remove all loose or decomposed matter.
- Reinforcement - MiraFlex UTW has been formulated as a waterproof and crack isolation membrane with fabric reinforcement. As a waterproof membrane, Miracote recommends the use of 10” and 40” poly fabric to ensure protection in the field as well as joints, changes in plane, cracks, protrusions, dissimilar materials, and drains.
 - Apply Miracote MiraFlex Membrane A by roller at 64 sq ft per gallon and embed poly fabric into the wet MiraFlex Membrane A. Apply MiraFlex Membrane A into wet set poly fabric at 50 sq ft per gallon.
 - Apply cementitious protection coat by trowel or roller at 500 sq ft per unit.

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LIMITATIONS

- A cementitious bondcoat will be required over certain substrates
- Not designed for application over expansion joints or major dynamic cracks that have not been routed, sealed or detailed.

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.

SLIP RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding slip resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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