

# CREST

Premium Tile & Stone Installation Products



## ACRYLIC BASE MEMBRANE Waterproofing & Crack Isolation Membrane

### Product Benefits

- Waterproof showers, fountains and commercial kitchens
- 1 hour drying time for fast installation
- Applied over cracks up to 1/8"
- Use to prevent tile cracking
- Ready to use
- Fast and easy application
- Low odor
- Antimicrobial protection against mold and mildew
- Residential and commercial use
- Use for horizontal or vertical installations
- Interior and exterior application

### Suitable Substrates

- Concrete
- Cement block walls
- Cement plasters
- Cement backer board
- Fully cured concrete
- Exterior grade plywood (interior/ dry use only)
- Mortar beds

### Composition

CREST 2510 Acrylic Membrane® is a pre-mix membrane, ready to use, formulated with latex and chemicals additives.

### Packaging

Available in 3.5 gallon pails and 4x1 gallon pails.

### Limitations of the Product

- Install only at temperatures between 50°F and 100°F (10°C and 38°C).
- Must have a minimum dry film thickness of 20 mils

## CREST 2510

CREST 2510 Acrylic Membrane® is an acrylic waterproofing and crack isolation membrane, ready to use, roller or trowel applied over properly prepared concrete, structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board and existing, well-bonded vinyl/VCT or ceramic tile; prior to the installation of ceramic or stone tile on vertical or horizontal surfaces.

Meets and exceed ANSI A118.10 requirements for waterproof membranes beneath thin set tile and stone and A118.12 requirements for crack isolation membranes.

- Do not use it as a wearing surface.
- CREST 2510 Acrylic Membrane® is a "positive side" waterproofing membrane only. Do not use where hydrostatic/negative water pressure can occur.
- CREST 2510 Acrylic Membrane® is not intended to reduce sub-floor moisture or moisture vapor transmission.
- CREST 2510 Acrylic Membrane® is not designed for use in joints/cracks with dynamic movement (i.e. expansion, isolation, or construction joints).
- As a waterproofing and anti-fracture membrane CREST 2510 Acrylic Membrane® is designed for movement of 1/8" or less.
- CREST 2510 Acrylic Membrane® if it is exposed to excessive moisture while curing, membrane may exhibit bubbles or pinholes.
- Do not use over dimensionally unstable substrates such as hardwood flooring, oriented strand board (OSB), substrates containing asbestos, or metal. See "Suitable Substrates" section above.
- Do not use on plywood in exterior/wet applications or in heavy traffic areas
- Do not bond directly to hardwood, Luan plywood, cushion or sponge-back vinyl flooring, metal, fiberglass, particle board parquet
- Do not freeze
- Do not use as an adhesive
- Not for use over poured gypsum concrete

### Surface Preparation

Before preparing the mixture of CREST 2510 Acrylic Membrane® it is necessary to clean the surface, which must be structurally sound, dimensionally stable, flat and clean, free from oil, paint, sealers, wax, dirt or any other type of impurity that might prevent proper adhesion. All wet areas must have a proper slope to drains

All cracks (1/8" or less), corners, drains, pipes should be treated by applying CREST 2510 Acrylic Membrane® with roller or trowel to achieve a flat, reinforced, uniformly thick membrane (20-mil. minimum). Cracks greater than 1/8" should be treated, by inserting a backer rod, bond breaker tape or fill the crack/joint with CREST FLEXIGROUT®. Let it cure for 2 hr. approx. consult respective Technical Data Sheet for more information or consult [www.crest.com.mx](http://www.crest.com.mx) for technical assistance.

After the cracks are filled, follow the Product Application Instructions below.

# CREST

Premium Tile & Stone Installation Products



## ACRYLIC BASE MEMBRANE Waterproofing & Crack Isolation Membrane

### Mixing Procedures

Use the appropriate safety equipment, such as chemical-resistant gloves when handling product. CREST 2510 Acrylic Membrane® is ready to use, simply open the product, mix and apply.

### Product Application

Follow applicable ANSI, TCNA and NTCA installation standards. Read to understand TDS completely before beginning installation. It is the user's responsibility to determine the condition and suitability of all surfaces before application.

Ambient temperature must be at least 50°F (10°C). Apply CREST 2510 Acrylic Membrane® with a brush, roller or trowel. When applying with trowel, spread the notched side of a 3/16" x 5/32" V-Notch Trowel, immediately smooth material with the flat side of the trowel to achieve a flat, uniformly thick membrane.

Pre-treat all edges, corners, coves and where floor meets walls with a minimum of 6" on either side with a heavy coat, using a brush, roller or 3/16" V-notch trowel. Cracks up to 1/8" and gaps between plywood should be filled with the membrane. When treating cracks in concrete floors, the membrane must extend at least one tile length on either side of the crack.

After pre-treatment of coves and corners, apply a continuous film at 20-30 mil (thickness of a credit card) over the remaining area.

In order to achieve a continuous film of 20 – 30 mils (thickness of a credit card) of Crest 2510 Acrylic Membrane the right coverage per gallon is 45 ft<sup>2</sup>. Allow it to dry for 1 hour. Apply a second coat of Crest 2510 Acrylic Membrane to meet ANSI 118.12 requirements for crack and load resistance.

Install tile or stone over the cured CREST 2510 Acrylic Membrane® with any Crest polymer modified mortar meeting ANSI A118.4.

### Curing

Keep all traffic off the installation until material cures, CREST 2510 Acrylic Membrane® requires 1 hour dry time at 50% RH/70°F (21°C) before installing tile or applying the second coat. The color will change from pale yellow to gold upon full cure. Temperature and humidity

CREST 2510 Acrylic Membrane® is an acrylic waterproofing and crack isolation membrane, ready to use, roller or trowel applied over properly prepared concrete, structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board and existing, well-bonded vinyl/VCT or ceramic tile; prior to the installation of ceramic or stone tile on vertical or horizontal surfaces.

Meets and exceeds ANSI A118.10 requirements for waterproof membranes beneath thin set tile and stone and A118.12 requirements for crack isolation membranes.

will extend dry time.

### Cleaning of equipment

Clean tools and tile work with soap and water while material is fresh.

### Storage

Store it in a cool dry area.

### Protection

Clean your hands after use it, avoid eye contact, or prolonged contact with skin, if eye contact occurs, flush with water for 15 minutes and consult a physician immediately. Keep out of reach of children.

### IMPORTANT

**We are not responsible for any loss or damage caused due to the application of this product. Prior to application, the user must confirm whether the product is suitable for your intended use. The user must assume responsibility for the risks or damages arising from an application other than specified.**

### Standards and Approvals

• **American National Standards Institute (ANSI)** — ANSI A118.10 and A118.12 of the American National Standards for the Installation of Ceramic Tile.

# CREST

Premium Tile & Stone Installation Products



## ACRYLIC BASE MEMBRANE Waterproofing & Crack Isolation Membrane

### CREST 2510

CREST 2510 Acrylic Membrane® is an acrylic waterproofing and crack isolation membrane, ready to use, roller or trowel applied over properly prepared concrete, structurally-sound, exterior grade plywood (interior/dry use only); cementitious backer board and existing, well-bonded vinyl/VCT or ceramic tile; prior to the installation of ceramic or stone tile on vertical or horizontal surfaces.

Meets and exceed ANSI A118.10 requirements for waterproof membranes beneath thin set tile and stone and A118.12 requirements for crack isolation membranes.

#### Note:

Average values obtained at 73°F ± 4°F and relative humidity of 50 ± 5%. Performances vary depending on the format and size of the trowel to use as the leveling of the substrate.

Waterproofing and Crack Isolation membrane

Latex base, meet and exceeds ANSI A118.10 and A118.12

For walls and floors, vertical and horizontal applications

\*Monterrey and Mexico plants Certified.

#### Summary Technical Chart:

Available:	Gold
Packaging:	3.5 and 1 Gal. Pail
Coverage:	45 sq. ft. / gall
Thickness:	30 mil wet / 20 mil dry CREST 2510 Acrylic Membrane ® layer
Shelf Life:	12 months in a cool dry area, in original packing and unopened.
Dry Time:	60 Minutes
Installation Temperature:	Between 50/100°F (10/38°C)
VOC:	36.15 g/L

\*Values might vary depending on the tile size, leveling the substrate, conditions and method of installation.

#### Technical Information

For technical support and assistance, please visit our website at [www.crest.com.mx](http://www.crest.com.mx)

For questions or comments contact [technicalservice@crest.com.mx](mailto:technicalservice@crest.com.mx)

#### ANSI Specification

A118.10 – Bonded waterproof membrane below thin set, tile and dimension stone installation)

Test Method	Requirements	Test Results
4.1 Fungus Micro Organism	Does not support mold	Pass
4.2 Seam Strength	6 lb./2 In width	30 lb./2 in
4.3 Break Strength	170 psi	195 psi
4.4 Dimension Stability		Pass
4.5 ASTM D9068 Waterproofness	No moisture penetration	Pass
5.3.7 Shear Strength @ 7 days	> 50 psi	205 psi
5.5.7 Water Immersion @ 7 days	> 50 psi	100 psi
5.3.7 Shear @ 4 week	> 50 psi	165 psi