

# Crest Watershield



**CREST**  
PREMIUM TILE SETTING SOLUTIONS



**CREST Watershield® is an acrylic waterproofing and crack isolation membrane, ready to use, 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.**

## Benefits

- For showers, fountains and commercial kitchens
- 1 hour drying time for fast installation
- Applied over cracks up to 1/8"
- Used 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

## Limitations

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

- Do not use it as a wearing surface.
- Do not use where hydrostatic/negative water pressure can occur.
- Not intended to reduce sub-floor moisture or moisture vapor transmission.
- Not designed for use in joints/cracks with dynamic movement (i.e. expansion, isolation, or construction joints).
- Designed for structural movements of 1/8" or less.
- If 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 suitable for use over poured gypsum concrete

## Packaging

- 1 Gal. (3.78 L) Bottle
- 3.5 Gal. (13.25 L) Bottle

## 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.

## Mixing Procedures

Use the appropriate safety equipment, such as chemical-resistant gloves when handling the 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.

Room/Atmosphere temperature must be at least 50°F (10°C). Apply CREST Watershield® with a brush, roller or trowel. When applying with trowel, spread the smooth side first, then with the V-notched side immediately smooth material 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 Watershield the right coverage per gallon is 45 ft<sup>2</sup>. Allow it to dry for 1 hour. Apply a second coat of Crest Watershield to meet ANSI 118.12 requirements for crack and load resistance.

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

## Curing

Keep all traffic off the installation until material cures, CREST Watershield® 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 bright pink to deep red upon full cure. Temperature and humidity will extend dry time.

## Cleanup

Clean tools and hands with soap and water immediately after use

## Storage

Store in a cool dry area.

## Protection

Clean your hands after using the product avoid eye contact or prolonged contact with the skin.

**Keep children and pets away from the area until the material is completely dry. Keep in the original container tightly closed.**

### Emergency Procedure and First Aid

#### **If swallowed:**

Do not induce vomiting. Drink water and call a physician immediately.

#### **If contact with skin and eyes occur:**

Rinse with water for at least 15 minutes. If irritation persists consult your physician.

## 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 their intended use. The user must assume responsibility for the risks or damages arising from an application other than specified.

## Summary Technical Chart

<b>Packaging:</b>	1 Gal. Pail (3.78 L) , 3.5 Gal Pail (13.25 L)
<b>Coverage:</b>	45 sq. ft. / gall
<b>Thickness:</b>	30 mil wet / 20 mil dry CREST Watershield® layer
<b>Color:</b>	Red
<b>Shelf Life:</b>	12 months in a dry cool area, in the original packaging and unopened.
<b>Dry time:</b>	60 Minutes
<b>Installation temperature:</b>	Between 50/100°F (10/38°C)
<b>VOC:</b>	0 g/L (as calculated per SCAQMD 1168)
<b>Eligible LEED Credits:</b>	Recycled Content (MR 4.1 & 4.2), 2 points Low Emitting Materials (EQ 4.1), 1 point
<b>Installation Temperature:</b>	Between 50/100°F (10/38°C)
<b>Mixture Proportion:</b>	5.3 to 5.58 qts. Clean water for each bag of 50 lb.
<b>Walkable Hardness:</b>	2-3 hrs.
<b>Time for installation:</b>	24 hrs.
<b>Installation Thickness:</b>	¼" - 3" neat 5" extended with 3/8" - ¾" clean, dry pea gravel aggregate

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

## ANSI Specification

Test Method	Requirements	Test Results
4.1 Fungus Micro Organism	Does not support mold	20 - 25% Increase
4.2 Seam Strength	6 lb./2 In width	20 - 30% Increase
4.3 Break Strength	170 psi	30 - 35% Increase
4.4 Dimension Stability		25% Increase
4.5 ASTM D9068 Waterproofness	No moisture penetration	25% Decrease
5.3.7 Shear Strength @ 7 days	>50 psi	
5.5.7 Water Immersion @ 7 days	> 50 psi	
5.3.7 Shear @ 4 week	> 50 psi	

### Note:

Average values obtained at 73°F ± 4°F and relative humidity of 50 ± 5%. Performance may 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.

## 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)



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