

# Surfacing Technology

Technical documentation

# ST Prep and Waterproofing

## Description:

ST Prep and Waterproofing is a ready-to-use single component elastomeric prep coating for all exterior commercial and residential waterproofing. To be used before any tile, stone, or ST polymer modified cementations materials coatings. Use with Weave Seal fabric material over installed grout surfaces to form a monolithic waterproof layer. Consult the ST Exterior Waterproofing Procedure specifications for more information. Easily applied with a roller, brush, or sprayer producing a continuous moisture barrier with outstanding adhesion to acceptable substrates.

ST Prep and Waterproofing excellent adhesion properties can be applied to most substrates without a primer. ST Prep and Waterproofing is a monolithic coating providing seamless protection and remains elastomeric throughout it's life span withstanding drastic freeze thaw changes due to its thermal dynamic properties for all season protection.

## Surface Preparation:

ST Prep and Waterproofing can be used to prep sound surfaces that have been painted or worn from years of various topical materials. Thoroughly clean the surface that is to be coated with Surface Prep. Leave no loose material. Sweep or use construction blowers to remove any material that may impair bond. Can be used as a waterproofing for exterior wood prior to subsequent installed coatings. Always apply a test area to confirm bonding characteristics.

## Benefits:

ST Prep and Waterproofing provides excellent adhesion and water-proofing to most any substrate. Eliminates the need to mechanically grind clean almost any prior concrete coatings. Exterior wood waterproofing prior to Exterior ST waterproofing applications.

## Physical Properties:

Appearance	Viscous white liquid
Solids Content	71%
Application Degree F°	55°F /160°F
Weight per Gallon	Approx 10.6 lbs.
Service Degree F°	-10/260+
Coverage Per Gallon (10 mils)	100 s.f., approx.
VOC	<1 G/L

## Application and Coverage:

ST Prep and Waterproofing may be applied with a heavy duty mechanical airless sprayer, brush, or 1 inch nap roller. Apply uniformly avoiding over-application and "puddling". Surface texture will affect actual absorption and coverage rates. Average coverage rate is 100 to 150 square feet per gallon. ST Prep and Waterproofing should not be diluted. Second coat can be installed as soon as the first coat is dry. If you plan to apply ST Scratch Coat after a ST Prep and Waterproofing install, broadcast a 40-60 Silica sand into the wet ST Prep and Waterproofing material.

For Exterior deck applications:

Install wood sub-flooring, then install metal lathe with a pneumatic stapler, using 1" wide by 3/4" deep staples prior to floating ST Self Leveling material. Allow the ST Self Leveling material to dry 16 hours. Then install ST Prep and Waterproofing and Weave Seal fabric. Broadcast silica sand into the wet material. ST Scratch material can then be installed after ST Prep and Waterproofing is dry. From that point follow the ST decorative surfacing procedures for a successful install.

*"Engineered for Excellence"*

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## Clean up:

Clean tools and equipment with warm, soapy water. After material has dried, it may be necessary to use solvents such as mineral spirits, toluene, or xylene.

## Limitations:

Do not apply when surface or atmospheric temperatures are below 50°F (10°C) or when measurable precipitation or freezing is possible within 24 hours. The ambient air temperature, the surfaces to receive coating, and the liquid coating must be 55° F or higher.

## Chemical Resistance: (One hour exposure. No effect)

Sulfuric Acid 3%  
Phosphoric acid  
Citric acid 1%  
Isopropyl Alcohol  
Petroleum  
Ammonia  
Grease  
Sodium Hydroxide  
Sodium Hypo Chlorite  
Lactic Acid

## Storage:

### Protect From Freezing.

Store material in an interior cool, dry place. Shelf life is one year in original, unopened container. DO NOT FREEZE. Do not ship ST Prep and Waterproofing unless protection from freezing is available. In its liquid form ST Prep and Waterproofing will freeze and become unusable at temperatures below freezing (32°F or 0°C). Containers should be tightly closed and properly stored. Prevent accumulation of water, dirt, and other residue on covers.

## Benefits:

- Durable: Increases tensile strength, flexural strength and chemical resistance.
- Curing: Increases water retention properties.
- Excellent bonding agent: Superior adhesion properties.
- Freeze/Thaw resistance: Increased resistance to dramatic climatic changes.
- Consistent: Strict quality control testing and standards.

## Caution:

Contact areas should be thoroughly washed with warm soapy water. Avoid contact with eyes. Keep out of reach of children.

## Technical Support:

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