DESCRIPTION:

TSS100WB is a modified silicone based, water repellent sealant used for protecting multiple surfaces against salt water erosion and efflorescence. Our natural sealer creates a virtually impenetrable barrier between the application surface and water, moisture, salts, and other minerals found in water. TSS100WB provides endless protection against these elements, while maintaining the natural beauty of the stone or masonry it is applied to.

FEATURES AND BENEFITS:

TSS100WB has many worthwhile benefits, including:

- Typically dries in under an hour
- Extremely durable and long lasting
- Radical efflorescence repellence
- Creates a barrier that will prevent salt water erosion
- A tenacious sealant that typically requires only one saturation coat
- Superior coverage
- Resistant to fungus, algae and mold
- Extends and enhances the life of the surface stone it is applies to
- Extremely user-friendly
- Little to no color change on most stone and grout
- Can be applied to a damp surface
- Water based and VOC compliant
- Non-flammable

INSTALLATION:

TSS100WB is engineered to repel salt water and efflorescence erosion on decks, walkways, patios, showers, floors, decorative stone facades, areas around water masses (such as swimming pools, waterfalls, ponds and spas), grout, unglazed tile floors, and stone kitchen and bathroom structures. In addition, TSS100WB will impede capillarity activity from within an application structure, and forms a seamless, revolutionary water-resistant barrier.

SUBSTRATES AND SURFACES:

TSS100WB can be used on either un-adulterated or previously coated surfaces, whether vertical, horizontal, indoors or outdoors. Use TSS100WB on surfaces such as:

Natural stone, travertine, flagstone, limestone, sandstone, cantera, quartzite, stucco, grout, concrete, mortar, pavers, non-glazed tile and brick, artificial stone, and unpolished granite and marble.

ALWAYS TEST!

It is important to test TSS100WB on individual surfaces for penetration, protective qualities, and appearance before committing to a blanket application. To ensure proper testing, make sure to:

1. Test if surface area has been sealed previously to ensure product compatibility.

2. Test with the same equipment, suggested preparation, and application procedures to be used in overall application.

PREPARATION:

When preparing to use TSS100WB, it is important to take some cautionary measures. Make sure that the surface to be treated is completely clean. Remove all dirt, debris, oil, wax, paint, grease, and efflorescence (salt build-up) from the application area. Power washing the application area is the best way to ensure a clean, even coat. Ensure that you are protecting all building occupants, passersby, property, plants, vehicles, painted surfaces, windows and all non-masonry surfaces from product, splash, fumes and wind drift by using polyethylene draping, or some other proven protective material. Establish a fresh air entry and cross ventilation during application and drying time. TSS100WB can be applied to a damp surface, although not wet or with any standing water.

APPLICATION:

Before applying TSS100WB, read all preparation, cautionary measures, drying procedures, and limitations. DO NOT alter or dilute product. Always TEST a small amount of the surface to ensure suitability and desired results, making sure to use the same tools and equipment that will be used for overall application. TSS100WB is a skin irritant, so be sure to wear protective gloves. Additional coats may subtly darken the treated surface. Apply addition coat to fully dried surface with a brush or broom, spreading product out to break surface tension. Product will appear to bead, but will become wet and then be absorbed.

General Horizontal Application:

- Apply an even coat of TSS100WB with a brush, roller, or pump sprayer. A pump up sprayer is the recommended tool for optimal results.
- Complete surface to be treated in one continuous saturation coat. Overlapping an area which has dried can result in darkening of the double coated area.
- If additional applications are necessary, apply only after the previous coat has been absorbed completely.
- TSS100WB can be applied continuously, as long as the surface continues to absorb the product and the area retains a damp or wet appearance. More porous stones will absorb more product.
- Remove any excess product or puddling with a brush, cloth, roller or blower.
- Protect treat area from rain and water for 1-2 hours after application.

General Vertical Application:

- For the best results, ensure that the surface to be treated is completely dry.
- Apply from the lowest section of the surface, and work your way up. Allow a 6-8 inch rundown area below the point of contact.
- Fully saturate the surface; vertical surfaces dry more quickly, allowing less penetration time.
- Remove any runs or drips that have not been fully absorbed after a few minutes, as these can leave visible drip marks if left to dry completely.
- Protect treated surface from rain and water for 1-2 hours after application.

SURFACE AND AIR TEMPERATURE:

Air and surface temperatures play a crucial role in a successful application. For optimal results, take note of the following:

Ideally, ambient air temperatures should be between 50-95^{o} F (10-30^{o} C). Temperatures above 95^{o} may cause the product to evaporate too quickly, not allowing the silicone bond to form, and can result in a discolored film on the surface. Additionally, air temperatures below 50^{o} F will slow the curing time of the product, increasing the risk of less than adequate chemical bonding. Schedule the application of TSS100WB for a time of day when ambient air temperatures fall into the ideal range.

If the surface area is above 90^{o} F, faster than normal absorption may occur, shortening the overall life span of the product.

Drying time may be lengthened or shortened, depending on the temperature and humidity conditions.

COVERAGE AND COATS:

Due to the varying absorption levels or porosity of stone types, some surfaces will absorb TSS100WB more quickly than others.

Approximate Coverage Per Application:

Low Porosity—250-450 ft^2 per gallon

High Porosity—175-250 ft^2 /gallon

LIMITATIONS:

- Shelf life of approximately 24 months when sealed and stored properly
- Possible damage to glass
- May subtly darken some stone surfaces; always test
- Will not prevent water infiltration through material defects or structural cracks
- Do not allow TSS100WB to freeze

CAUTION:

HARMFUL OR FATAL IF SWALLOWED. EYE, SKIN AND RESPIRATORY IRRITANT. If swallowed, DO NOT induce vomiting. Call physician or Poison Control immediately. In the event of: EYE CONTACT-flush with room temperature water for 15 minutes. SKIN CONTACT-thoroughly wash with soap and water. RESPIRATORY IRREGULARITIES-administer oxygen and seek medical attention immediately. Do not inhale vapors or mist.