

## **DESCRIPTION:**

TSS600 is an industry proven consolidation treatment for natural and masonry that has deteriorated due to weathering and subjection to extreme elements. It is a ready to use, deep penetrating sealant that strengthens, stabilizes, and densifies surfaces upon which it is applied. In addition to shoring up decaying masonry, TSS600 is an excellent pre-treatment for surfaces before cleaning or patching, and can effectively reduce or prevent salt water corrosion. On occasions where stone or masonry will continue to come into contact with salt water, an additional water-resistant sealant can be added, which will repel salt water during the curing process of TSS600.

TSS600 was engineered to restore the structural integrity of deteriorating and crumbling natural stone and masonry, as well as providing protection against future corrosion.

## **FEATURES AND BENEFITS:**

TSS600 has many benefits, including:

- Strengthening the structure of natural stone
- Reducing the severity of saltwater erosion
- Preserving the natural look of the stone to which it is applied
- Simple application
- Rapid drying time
- Won't form a surface crust
- Restoring material is mineral based, akin to the original stone
- Won't harm masonry
- Once cured, water resistant
- Resistant to acid rain
- Combats efflorescence

## **SUBSTRATES AND SURFACES:**

TSS600 can be used on natural stone and masonry surfaces, such as:

Most types of natural stone, stucco, brick, concrete, terra-cotta, etc.

## **ALWAYS TEST!**

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

1. Test with the same \*multiple application step covered in the paragraph under Application.
2. Test with the same equipment and tools that will be used in overall application.

The test application is necessary to calculate the consumption rate of TSS600, as well as confirming suitability under job site conditions. This on-site test will additionally provide a visible example of final results using TSS600.

## **PREPARATION:**

When preparing to use TSS600, it is important to take some cautionary measures. Make sure that the surface to be treated is 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, in cases that it will not further damage the stone. All

surface contaminates, such as mildew, animal waste, carbon crust, efflorescence, and atmospheric stains must be thoroughly removed to ensure complete penetration of TSS600. 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. Protect or divert all auto and pedestrian traffic. Establish a fresh air entry and cross ventilation during TSS600 application and drying time. As TSS600 is flammable, so ensure that all flames, pilot lights, and other possible sources of ignition are fully extinguished prior to application, during application, and until all vapors and fumes are gone.

### **APPLICATION:**

Before applying TSS600, 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.

#### **Initial Protection Against Direct Sunlight:**

- To prevent accelerated evaporation of TSS600 and ensure maximum penetration, surface temperature must remain relatively cool.
- Protect application surface from direct sunlight for several hours prior to initial treatment.
- When possible, treat surfaces under shade.
- Do not apply TSS600 to wet surfaces, during rain, or when rain is likely.
- Protect treated surface from rain and direct sunlight for 2 to 3 days after application of TSS600.

#### **General Application:**

- Apply TSS600 in a series of repeated applications, referred to as ‘app-steps’. An app-step refers to administering 2 or 3 successive saturation applications, depending of the level of stone deterioration.
- Allow 5 to 15 minutes between app-steps. TSS600 will have been absorbed and the surface will have begun drying, but will still be wet to the touch.
- TSS600 should be continuously applied, using the app-step method, until excess product is visible on the surface.
- Allow 2 to 3 weeks curing time between treatments.

### **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, as well as surface temperatures, should be between 41-68° F (5-20° C), and relative humidity should exceed 40%. Excessive surface temperatures can be blocked by shading with awnings.

**Low Humidity Areas:** In environments with low humidity, the application surface may need to be dampened before treatment with TSS600.

### **POST TREATMENT:**

After all treatments and curing times have been completed, apply a water-resistant sealant, such as TSS300, for guaranteed protection from further damage.

**CLEANUP:** Immediately clean all equipment and tools with mineral spirits, denatured alcohol, or comparable cleaning solvent. Remove and spills or overspray as soon as possible.

**STORAGE AND HANDLING:** Store TSS600 in a cool, dry place, away from any potential sources of ignition. To ensure optimal shelf life, keep tightly closed when not in use, and store upright. Maintain storage temperature of 45-95°F.

**LIMITATIONS:**

- Shelf life of approximately 12 months when sealed and stored properly.
- Will not prevent water infiltration through structural cracks, defects or open joints.
- May not eliminate all salt water erosion.
- Not suitable for architectural concrete blocks and certain types of marble.
- Not compliant with the California Air Resources Board SCM Districts, Maricopa County AZ, or Northeast Ozone Transport Commission.

\*Manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403)

\*US Environmental Protection Agency Compliant

**SAFETY INFORMATION:**

TSS600 may cause symptoms consistent with organic solvent exposure. TSS600 is a combustible material. Use appropriate safety equipment, proper ventilation, and on-site controls during handling and application.

**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.

