

DESCRIPTION:

TSS300 is a color enhancing, wet look, silicone and acrylic combination sealant that protects surfaces from salt water, pool chemicals, oils and vehicle fluids. It infiltrates deep into the surface, forming a barrier that will protect stone for years, while maintaining a wet-looking sheen.

FEATURES AND BENEFITS:

TSS300 has many benefits, including:

- Waterproofing
- Fade resistance
- Low viscosity—can be applied with a pump up or airless sprayer
- Exceptionally long lasting
- Produces a low sheen, wet look finish that protects and enhances stone's natural color
- Can be applied in a single coat, or multiple applications
- Strong resistance to extreme weather and UV rays
- Pool chemical resistance
- Will not yellow or delaminate
- Rapid drying time
- Ready to use, no mixing required
- Resistance to vehicle fluid and oil staining

INSTALLATION:

TSS300 can be applied to either indoor or outdoor surfaces, such as concrete, pavers, fountains, around swimming pools, patios, grout, natural or artificial stone tiles, showers, bathroom floors and counters, kitchens, etc.

SUBSTRATES AND SURFACES:

TSS300 can be used on either un-adulterated or previously coated surfaces, whether vertical, horizontal, indoors or outdoors. Use TSS300 on surfaces such as:

Moss rock, Flagstone, Travertine, Slate, Cantera Stone, Concrete, Aggregate, Brick, Masonry, Stucco, Natural and artificial stone, and Wood.

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 if surface area has been sealed previously to ensure product compatibility.
2. Ensure that the test area and application area are completely dry. This can be done by touching a tissue to the surface. If the tissue comes back completely dry, you should be good to go.
3. Ensure that no water has been applied, or rainfall has occurred for at least 24-48 hours prior to application.

If the surface area to be sealed with TSS300 has been underwater for long periods of time (such as a waterfall or pond) or the backside of the surface is adjacent to water, additional drying time will be necessary. If you are unsure of the surface moisture content, test the area with a moisture meter.

PREPARATION:

When preparing to use TSS300, it is important to take some cautionary measures. Make sure that the surface to be treated is clean and dry. 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; however, make sure that the area is completely dry before application. 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 TSS300 application and drying time. TSS300 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.

*POWER WASHING: Use the minimum amount of water required to achieve a clean surface; avoid saturating the surface. If using a device with a high-pressure nozzle, allow a drying time of at least 24 hours. Blow dry all excess water from the surface area immediately, and allow drying for a minimum of 1 hour. Ensure dryness with a moisture meter if necessary.

APPLICATION:

Before applying TSS300, 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.

General Horizontal Application:

- Apply an even coat of TSS300 with a brush, roller, pump sprayer, or high-pressure sprayer. If using a pump sprayer, using a solvent resistant sprayer is recommended. Solvents can corrode gaskets and hoses in plastic and pump sprayers after multiple applications.
- Work in sections no larger than 50ft². Saturate an area with a singular coat, leaving a wet edge to prevent overlapping marks.
- If additional applications are necessary, apply only after the previous coat is completely dry.
- Do not apply additional applications to hard surface materials or glazed surfaces without first testing.
- Remove any excess product or puddling with a brush, cloth, roller or blower.
- Repeat process for additional sections, one at a time, until entire surface has the desired coverage.
- Protect from rain and any other water saturation for one hour after application.

General Vertical Application: Use the same methods as application for horizontal surface, except:

- 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.

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 55-85° F (10-32° C). Temperatures above 85° may cause the product to ‘spider’ when using a sprayer. Spidering occurs when higher than ideal temperatures cause the product to evaporate too quickly, and create a web like formation upon leaving the nozzle of the sprayer. If spidering occurs, halt the application. Additionally, air temperatures below 55° F will slow the curing time of the product, increasing the risk of less than adequate chemical bonding. Schedule the application of TSS300 for a time of day when ambient air temperatures fall into the ideal range.

If the surface area is above 85° 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.

Surface Dryness: TSS300 must be applied to a dry surface. The acrylic contained in TSS300 can turn white if contact is made with moisture during the application or drying times.

CAUTION: TSS300 can increase the slickness of a surface. If the area appears slippery after the drying time has elapsed, wait 48 hours and then pressure wash the treated area. This will significantly reduce slickness. If slickness is a concern, pair with TSS SG100 anti-slip grip additive.

COVERAGE AND COATS:

Due to the varying absorption levels or porosity of stone types, some surfaces will absorb TSS300 more quickly than others.

Approximate Coverage Per Application:

Typical Porosity—175-250 ft² per gallon

Non-porous—300-425 ft² /gallon

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.

TYPICAL PERFORMANCE AND PHYSICAL CHARACTERISTICS:

CAUTIONS: Weight Per Gallon	7.75 lbs.
Acrylic Solids by Weight*	24%
Color	Transparent
Viscosity At 77 ⁰ F	80 ku
Shelf Life	2 Years unopened
Gloss	Low Sheen
Temperature Resistance	225 ⁰ F
Chemical Resistance	Very Good
Flash Point	80 ⁰ F, TCC
V.O.C.	4.4
Recommended DFT. (dry film thickness)	.75 – 1.5 mils
Film Thickness	Wet: 2.5–4.0 mils; Dry 1.0 - 1.5 mils
Dry Time	Touch 10 – 15 minutes Handle 1 Hour Recoat 1 hour
Application	Pump Up Sprayer, Dip, Airless Spray, brush, roller
Clean Up	Xylene Flush
Full Cure Relative Humidity 50%	5 Hours

* NOTE; Percentages are + or - 1%

Approx. Shipping Weights

1 gallons (18.9L)	7.75 lbs.
5 gallon metal pail (94.5L)	41.0 lbs.

Dilution

Apply as packaged. Do not dilute or alter or use for applications other than as specified.

NOTE: Be very cautious and test carefully when using the TSSPRO 300 on any surface that has continuous contact with and/or submerged under water. The surface must be completely dry before and after application. Test with moisture meter before and after application.