



Product Data Sheet and Application Guide

STAIN GUARD PRO – TSS550

Maximum Protection Against Water, Salts, Oils, Soils and Wine Stains

DESCRIPTION: TSS550 is a cutting-edge solvent based sealer designed specifically to provide maximum protection against the toughest soil, water, oil, and wine based stains. It is ideal for natural stone, pavers concrete, brick, tiles and grout.

- salt-water repellent,
- excellent penetration,
- preserves the natural color and look of most substrates,
- Interior, exterior, residential and commercial use.

TSS550 was formulated to provide ease of application and peace of mind from common household and outdoor cooking stains.

FEATURES: TSS550's advanced technology produces application friendly properties, including ease of application and use – keeps treated surfaces looking better longer. Also discourages the growth of discoloring mold and mildew.

- Premium protection against most stains including red wine
- Retains existing color and finish on most substrates
- Makes cleaning much easier
- Provides long lasting protection
- Excellent long-lasting beading
- Treated surfaces do not trap moisture

Uses

- Countertops
- Backsplashes
- Floors
- Walls

Typical Applications

- Kitchens
- Outdoor cooking and entertaining areas
- Building facades
- Showers
- Swimming pool surrounds
- Patios
- Garages

SUBSTRATES AND SURFACES: Use on

uncoated, vertical or horizontal, interior or exterior surfaces. TSS550 provides protection for:

- Honed or polished marble
- Polished/honed/flamed granite
- Concrete, pavers, tiles and products made with concrete
- Natural stone:
 - flagstone, limestone, sandstone, travertine, bluestone, cantera, quartzite, slate, etc.
- Grout and mortar
- Low fired clay products (Saltillo tile, roofing tiles, common brick, floor tiles, terracotta)
- Artificial stone

PREPARATION: Protect people, passersby, home/building occupants, vehicles, plants, painted surfaces, anodized aluminum, wood and all non-masonry surfaces from product, residue, splash, fumes and wind drift. Use polyethylene or other proven protective coverings. Surface to be treated **must be clean and dry**. If exterior application, allow substrate surface a minimum of 24 hours to dry after rain or power wash. Remove dirt oil, grease, paint waxes, efflorescence and any surface sealers. Ensure fresh air entry and cross ventilation during application and drying. Do not dilute or alter.

ALWAYS TEST a small area of each surface to confirm suitability possible color change I.E. desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures.

INSTALLATION

SURFACE AND AIR TEMPERATURES: For maximum effectiveness surface and air temperatures should be 50-90°F (10-32°C). Dry time will be slower at lower temperatures.

- Ambient air temperatures ideally should be 50 - 90° F(10-32°C); Temperatures above 90°F are marginal, that is the carrier will evaporate too fast not allowing the active polymer to chemically react with the substrate AND COULD DEPOSIT A WHITE FILM ON THE SURFACE.
- Where ambient temperatures typically reach above 90°F in the afternoon, application



Product Data Sheet and Application Guide

STAIN GUARD PRO – TSS550

Maximum Protection Against Water, Salts, Oils, Soils and Wine Stains

should be scheduled for the morning where it will be cooler. Hand held surface temperature reading devices are inexpensive and eliminate guess work.

- Air temperature below 50°F will cause the product to cure slower increasing the probability of less than adequate bonding.
- If surface temperature will drop below freezing within 48 hours do not apply.
- Do not let product freeze – freezing will render product ineffective.

EQUIPMENT: Use low pressure pump up sprayer, lamb's wool applicator, brush or similar.

APPLICATION: Always wear protective gloves. Avoid getting on skin – product is an irritant and can burn with extended exposure. Do not get in eyes. Always wear protective eyewear. Remove contaminated or saturated clothing immediately. Before applying read all sections above and below; do not dilute or alter; ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment that will be used in application.

- Cover areas not intended to be treated.
- Apply with either a lamb's wool applicator, brush or low-pressure pump up sprayer. If using an airless sprayer, dispense only using less than 50 psi; do not exceed 50 psi.
- Liberally apply an even saturation coat of TSS550; when the surface becomes dry to the touch and the product has been absorbed, repeat the application step.

Dense polished surfaces, when applying TSS550 on dense - polished surfaces Stain Safe should be applied to smooth surfaces with a lamb's wool applicator or cloth, so the sealer is wiped over the surface. Spraying is not recommended for polished surfaces.

Highly porous surfaces, such as sandstone and soft varieties of limestone, apply sufficient product so the surface looks shiny / mirror wet for at least 3-5 seconds after each coat.

- Avoid allowing product to puddle and/or dry on the surface; wipe off excess product before it dries.

- Thoroughly wipe dry the entire surface with clean absorbent towels approximately 15 minutes after final application.
- Should sealer residue appear, rewet the affected area of the surface with sealer. Agitate the surface with a white nylon scrubbing pad to loosen residue and wipe dry with a clean, absorbent towel.
- Sealer will not prevent surface etching, scuff marks or wear and may lighten or darken some surfaces. TSS550 will make the maintenance and cleaning of a treated surface much easier and prevent many stains. Once cured, this product is food contact safe.
- Protect from rain and sprinklers for six hours after application if outside.
- Use a solvent to clean equipment.

Applying Stain Safe on vertical surfaces

Vertical surfaces have much less dwell time than horizontal surfaces as a liquid sealer will run down the wall if a substantial amount is applied. Much longer dwell time is required for the product to penetrate sufficiently. To accomplish this, apply 4 lighter coats of Stain Safe instead of 2 saturation coats. Apply each successive coat before the previous one dries (wet on wet, approximately 10 minutes between coats). Place tarp or plastic sheets below to catch the excess drips. Apply from bottom and work way up making sure drip marks do not occur.

Maintenance: Do not clean treated surfaces with highly alkaline, acidic, ammoniated or abrasive cleaners which may degrade the sealer, adversely affecting stain resistance. For routine cleaning use a neutral cleaner. For tough or difficult to remove soil use a nylon scrubbing pad with a neutral cleaner. Avoid Dawn brand soaps which contain silicone disruptive agents.

TRAFFIC: A full cure is achieved after 24-48 hours. Foot traffic may begin in six hours. Note: Dry time is dependent on temperature and humidity. Cooler weather or high humidity may affect dry time and availability for use.

APPROXIMATE SHIPPING WEIGHTS

1 Quart (946 mL)	1.8 lbs.
1 Gallon (3.29L)	7.25 lbs.
5 Gallon Pail (16.10L)	35.50 lbs.

DILUTION

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



Product Data Sheet and Application Guide

STAIN GUARD PRO – TSS550

Maximum Protection Against Water, Salts, Oils, Soils and Wine Stains

COVERAGE RATE:

Coverage varies based on porosity and texture of the surface:

Substrates range (porous to dense) 100 – 350 sq. ft. / gal.

- Actual coverage will be determined by the porosity of the substrate

Expected Wear:

- Up to 5 years on interior surfaces
- Up to 3 years on exterior surfaces

For optimal results apply every 1 to 2 years.

LIMITATIONS

- Limited shelf life – remains storage stable for approximately 12 months in sealed containers.
- May slightly darken some stone – always test a small area prior to application
- Will not prevent water penetration through material defects or structural cracks/fissures in the material.
- Will not stop salt water erosion if the erosion has already started
- Do not allow product to freeze

**CAUTION! HARMFUL IF
SWALLOWED. EYE, SKIN AND
RESPIRATORY IRRITANT.**

If swallowed DO NOT induce vomiting. Call physician immediately. In case of: Eye contact - flush with large amounts of room temperature water for 15 minutes. Skin contact- wash thoroughly with soap and water. Irregular or stopped breathing-administer oxygen, give artificial respiration. Get medical attention (immediately). Do not breath vapors or spray mist. Wear respirator approved by NIOSH. (NIOSH/MSHA TC 23C or equivalent).

FOR EXTERIOR & INTERIOR USE

**Use with adequate ventilation
Keep Out of Reach of Children**

24-Hour Emergency Information:
INFOTRAC at 800-535-5053

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 877-333-8188 and ask for Customer Care - technical support.