



BARRIER **SEALER**
TDS 150

PURPOSE

Barrier | Page 1 | TDS 150 | Revised Date: 12/14/2021

Stain Blocking Surface Protection	<ul style="list-style-type: none"> Blocks oil, organic & water staining which makes cleaning and maintenance easier
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ULTIMATE STAIN BLOCKING SURFACE SEALER

FEATURES

Engineered For Areas Frequently Exposed To Staining	<ul style="list-style-type: none"> Guards Against Food, Oil, Organic & Water Stains
Extended Sealer Life Performance	<ul style="list-style-type: none"> Durable & long lasting protection
Advanced Premium Fluorinated Urethane Chemistry	<ul style="list-style-type: none"> Does not contain any silicone or wax components
Breathable, Immediate Application	<ul style="list-style-type: none"> Will not trap naturally occurring efflorescence and/or moisture Can be applied on a new, clean and dry surface without waiting
Easy To Apply	<ul style="list-style-type: none"> Apply two coats wet on wet for optimal performance
Invisible Penetrating Water Based Sealer	<ul style="list-style-type: none"> Does not alter the appearance of the surface Non-film forming Consistency of water and milky white in appearance when applied. Dries transparent.
Temperature Stable	<ul style="list-style-type: none"> Cured sealer is freeze resistant to -60°F (-51°C) and is stable up to 180°F (82°C).

IDEAL APPLICATIONS

- Driveways
- Garage Floors
- Outdoor Kitchens
- Industrial Flooring
- Building Entrances
- Shopping Malls
- Food Courts
- Restaurant Patios
- Dumpster Pads
- Any high use hardscape surface where aesthetic value and ease of maintenance are important.

SUITABLE SURFACES

- Concrete & Clay Pavers
- Natural & Manufactured Stone - **MUST TEST FIRST**
- Travertine
- Flat and Stamped Concrete
- Segmental Retaining Wall Blocks
- Concrete Walls
- Exposed Aggregate
- Unglazed Tile
- Grout
- Not recommended for marble, granite, ceramic tile and polished, honed or high gloss surfaces as they do not have enough surface texture to absorb the sealer.

PERFORM A TEST IN A SMALL AREA TO VERIFY PERFORMANCE AND APPEARANCE BEFORE APPLYING.

***Due to the variability and physical make-up of natural stone this step is required to verify desired performance and appearance.**

COVERAGE PER GALLON

APPLICATION	SQ FEET	SQ METERS
Pavers & Other Hardscape Surfaces	100 - 200	9.3 - 18.6
Concrete	150 - 250	13.9 - 25.2
Retaining Walls & Other Vertical Surfaces	100 - 200	9.3 - 18.6

Coverage based on single coat. Two coats applied wet-on-wet are recommended on surfaces that are new, porous or experience a high level of staining. Actual coverage may vary depending on the type, age, condition and porosity of the surface, application method and other local conditions such as temperature & humidity.

SURFACE PREPARATION

- **Test First:** Test first on a small inconspicuous area to determine suitability and if desired results are achievable with this product on your specific surface.
- **New Concrete, Mortar, Grout or Overlays:** Barrier should be applied once concrete is fully cured (28 days after installation) to ensure optimal performance.
- **Clean Surface:** Surface should be thoroughly cleaned and prepared with Trident's cleaners and free from curing compounds, oil, dust, loose material, and previously applied sealer other than Trident's Barrier sealer. Thoroughly rinse all cleaner residue prior to sealing.
- If installing **joint sand/polymeric sand**, install prior to sealing with Barrier. Activate polymeric sand per manufacturer's instructions.
- **Allow surface to dry for a minimum of 24 hours** after cleaning, polymeric sand activation and/or rain before sealer application.
- Prior to sealing, **use a leaf blower to remove dust, debris and fine sand particles** from the surface prior to sealing.
- **Cover/Protect** nearby landscape, vehicles and buildings from overspray during application.

APPLICATION CONDITIONS

- Apply when day and night temperatures are between 40°F - 95°F.
- Allow surface to dry for a minimum of 24 hours after cleaning and/or rain before sealer application.
- Avoid windy conditions to keep sealer spray from drifting.
- NO pre-blending or mixing required. **DO NOT DILUTE.**

APPLICATION TOOLS

- Low pressure, high volume sprayer such as an airless sprayer or hand held pump-up sprayer
- Slit foam roller

APPLICATION INSTRUCTIONS

Barrier is designed for a two-coat application. Second coat must be applied immediately after the first coat (wet-on-wet).

Spray & Back Roll Application:

- To apply sealer, hold sprayer nozzle perpendicular to the surface and overlap each spray pass. Make sure surface is completely saturated.
- At a right angle to the first application, apply the second coat "wet on wet", approximately 10 minutes after the first coat. Do not allow surface to dry between coats.
- **Immediately after second coat**, back roll with a foam roller to eliminate any pooling and to even out sealer.

DRY TIME

- Surface will be dry to the touch in 60 minutes assuming 65-85°F. Low surface or air temperature will extend dry times.
- Protect the surface from dust, rain, condensation, and traffic while drying.
- Area can be open to foot & vehicular traffic in 24 hours depending on site conditions.

CLEAN UP

For tools and equipment, use soap and water before product is allowed to dry.

MAINTENANCE

Sealed surfaces should be properly maintained to get the best long-term performance from both the pavement and the Barrier sealer.

- Keep surface clear of buildup of dirt, grime and stains by rinsing with cold, clean water.
- If staining of surface does occur, Trident Sealers are compatible with Trident's Cleaners which can be used to remove general dirtiness, organic and inorganic stains like oils, food and beverages and mineral deposits from the surface.
- Test cleaners in inconspicuous area prior to cleaning.
- Be sure to check dilution rates for all cleaners to determine if they are ready to use or to determine appropriate dilution rate especially for sealed surfaces.
- Efflorescence should be removed using Trident's White Water efflorescence cleaner and a pressure washer, in conjunction with agitation from a natural fiber brush. Care should be taken to ensure that excessive pressure is not utilized, as it may erode joint sand and could damage the surface itself.
- Thoroughly rinse all cleaner off the surface before sealing.

RE-APPLICATION

Re-application may need to be carried out every 5 - 8 years depending on the type of surface and environmental/site conditions.

PACKAGING

5 Gallon Pails
55 Gallon Drums
275 Gallon Totes

STORAGE

- Store in a cool, well-ventilated place
- Do not allow to freeze.

SHELF LIFE

2 years when unopened and properly stored

VOC CONTENT

< 300 g/L

PRECAUTIONARY INFORMATION

- **KEEP OUT OF REACH OF CHILDREN**
- Do not breathe vapors, spray or mist
- Use in a well ventilated area
- Wear protective gloves, clothing, face and eye protection
- Wash thoroughly after handling

EMERGENCY & FIRST AID MEASURES

- **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if feel unwell.
- **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs. Take off contaminated clothing and wash before reuse.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
- **IN CASE OF FIRE:** Use water, water fog, CO₂, or alcohol resistant foam to extinguish. Do NOT use dry chemical.

See Safety Data Sheet for complete information.

LIMITATIONS

Protect sealer from freezing and store in a cool place when not in use. In winter, keep in heated area. This sealer is not recommended for marble, granite, ceramic tile, polished, honed or high gloss surfaces as they do absorb the sealer. A test area is ALWAYS recommended to determine product suitability and compatibility with your specific surface before use and to verify if desired results are achievable. Due to the inherent variability of natural stone and clay products, long term performance may vary. Please consult with Trident prior to sealing if there are concerns. Do not use below grade or where water is always present. Never try to seal wet or damp surfaces. A minimum air temperature of 40° (5°C) must be maintained for a period of 24 hours prior to application. Air temperature should not exceed 95°F (35°C) during application. Work should cease in inclement weather (rain or strong wind).

WARRANTY

Trident warrants its products to substantially conform to its published specifications at the time of purchase. The foregoing is the sole limited warranty applicable to the products. Trident HEREBY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OTHER THAN THE WARRANTY SET FORTH ABOVE. The user is solely responsible for determining suitability of the products for their particular use. While the actual application of this product is out of the control of Trident, it is recommended that the application guidelines be followed completely and accurately. Trident's liability for any damage shall not exceed the purchase price of the product used, and it shall have no liability for consequential, incidental or punitive damages.

