

1. PRODUCT NAME

Tenon[®] Paver Guardian

2. MANUFACTURER

Bluestone Products[®], a TCC Materials[®] company
 2025 Centre Pointe Blvd.
 Mendota Heights, MN 55120 USA

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3. PRODUCT DESCRIPTION

Tenon[®] Paver Guardian is designed to protect & extend the life of installed pavers without changing the finished look. Paver Guardian provides a natural finish that maintains the original look of pavers, concrete, architectural concrete, brick, natural stone, and other cementitious materials. This clear, solvent-based formula penetrates and reacts chemically within the capillaries of the concrete to protect against moisture penetration, spalling, freeze-thaw damage, deicing salts, efflorescence, and chemical erosion, protects surfaces from most chemicals, dirt, acids, alkali, and airborne pollutants while making these surfaces easier to clean. Paver Guardian is used for above-grade exterior applications that are not subject to hydrostatic pressure.

Note: Final finish may vary due to conditions such as paver density/porosity, paver moisture, environmental conditions, and/or thickness of application.

Features and Benefits

- Non-gloss finish that won't change appearance of pavers
- Natural-looking invisible protection
- Non-staining, non-yellowing
- Ready to use (no diluting)
- Solvent-based formula provides breathable, deep-penetrating protection
- Repels water, with early water repellency
- Once cured, pronounced water beading effect
- Dries tack free
- High alkali resistance
- Easy to apply with sprayer and roller
- Low volatility
- Protects from effects of rain and other water penetration, chemicals, salt, freeze-thaw, and smog

Uses

- Above-grade exterior applications
- Vertical or horizontal applications

- Concrete or masonry applications
- Pavers, brick, burnished or split-faced block, natural and synthetic stone, stucco, terrazo, and other cementitious materials

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials[®] at 651-688-9116 (7:30 AM to 4:00 PM Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tenon[®] brand product (s) under normal environmental and working conditions. Because each project is different, neither Tenon[®] nor TCC Materials[®] can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Note: Exceeds VOC content limit. Exceedance fee has been paid.

Typical Results of Tenon [®] Paver Guardian	
Composition and Materials	An oligomeric, organosiloxane water repellent. Tenon [®] products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Density	7.37 lbs.
Flash Point	>100°F (> 37°C)
Typical Drying Time @ 70°F	1-2 hour (touch) 2-4 hours (traffic)
VOC Content*	>700 g/l
A.I.M. Category	Waterproofing Sealers and Treatments Maximum VOC 600 g/l
Applicable Standards	ASTM C-666 Resistance of Concrete to Rapid Freezing and Thawing ASTM C672 Scaling Resistance NCHRP 244 (water absorption, % water vapor transmission and % reduction in chloride intrusion)

These dry times are dependent on normal drying conditions. Cool temperatures or high humidity will slow the drying time.

Packaging

- 1 gal. bottle (3.78 L) - Product #129670
- 5 gal. pail (18.93 L) - Product #129660
- 55 gal. drum (208 L) - Product #129534

Shelf Life

For best use, the recommended shelf life is 12 months. If shelf life is beyond 12 months, please contact your distributor. Store in the original labeled container, away from moisture, out of direct sunlight. **DO NOT STORE NEAR HEAT OR OPEN FLAME.** Keep containers tightly sealed when not in use.

5. INSTALLATION

Preparation

- Read all directions before starting work. Read and understand SDS pages for safety precautions prior to use.
- Remove all loose or unsound materials prior to application. Thoroughly clean surface of dirt, dust, oil, grease or other contaminants before using.
- Repair any cracks or damaged areas.
- Apply only to dry surfaces for optimal performance. Do not apply when rain is expected within 4-6 hours of application.
- If rain has preceded the application, the surface should be allowed to dry for at least 24 hours.
- Check compatibility with the substrate manufacturer prior to placement.
- Keep containers tightly sealed when not in use, and use only in well-ventilated areas.
- Only use on fully-cured concrete surfaces (28 days).

New Concrete: Water-cure new concrete or use a water-based dissipating curing compound. All fresh concrete should be properly cured (28 days).

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mockups

The manufacturer requires that when its Tenon® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and

or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

- Mixture may be gently stirred to blend prior to use. Do not entrain air.
- Do not dilute.

Application

1. **Be sure the surface is dry to allow for good penetration.** If applied to damp surfaces, Paver Guardian may react with the water on the surface which may prevent it from achieving a natural look.
2. Apply only when air and substrate temperatures are above 40°F (4°C) and the Paver Guardian is above 50°F (10°C). For best results, surfaces must be clean and dry.
3. Apply with low-pressure sprayer equipped with PVC, viton, or other compatible fittings and hoses as solvents can damage rubber.
4. Apply evenly and sufficiently to wet the substrate completely. If applied on vertical surfaces, start at the top and maintain a minimum 2 in. (51 mm) run-down.
5. It is important to roll back the surface to evenly spread the sealer. Surface should be saturated uniformly until the sealer dries.
6. Roll out any pools that accumulate on the surface after 5 minutes.
7. If any dry areas form after 5 minutes, apply an additional light coat to those dry areas.

Note: Paver Guardian may darken the appearance of concrete, especially if it is applied too heavily or to damp or wet surfaces. A small mock-up in an inconspicuous area is often done to test compatibility with the substrate prior to full application. When applying to existing areas, surfaces must be clean and dry.

Cleaning

Use mineral spirits or solvent-based cleaners such as denatured alcohol on tools and equipment. For sprayers, pump the solvent through the spray equipment to remove residue and prevent clogs. For skin contact, wash thoroughly with soap and warm water.

Limitations

- Sprayers must be equipped with PVC, viton, or other compatible fittings and hoses as rubber or other materials will disintegrate from the solvent.
- Some fumes may be present during application. Use best ventilation practices when applying on interior surfaces. Siloxane is non-toxic in its cured state.
- Dispose of contents/container in accordance with all local and state regulations.
- Keep out of reach of children.

Coverage

Note: The recommended coverage rate for most concrete substrates is 125 sq. ft. per gal. Coverage may vary due to porosity, wind, temperatures, and condition of surfaces.

Approximate Coverage @ 70°F (21°C)	Sq. Ft./Gal.	M ² /L
Pavers & smooth concrete	150-200	3.7-4.9
Decorative & broomed concrete	100-200	2.5-4.9
Natural stone	100-200	2.5-4.9
Concrete block	40-100	1.0-2.5

6. AVAILABILITY

To locate Tenon® products in your area, please contact:

Phone: 1.651.688.9116
Email: info@tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Reapplication is recommended every 3-5 years depending on application rate and traffic wear patterns.

9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials® (hours 7:30 AM to 4:00 PM CST):

Phone: 1.651.688.9116
Email: info@tccmaterials.com
Web: tccmaterials.com

Technical and Safety Literature:

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

10. FILING SYSTEM

Division 7 or 9



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