

Molecule [JSS] Paver Joint Stabilizer & Sealer

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FEATURES & BENEFITS:

Molecule [JSS] Joint Stabilizer & Sealer from TechniSoil represents next-generation water-based sealer technology specifically designed for paver applications. Its hybrid formula provides robust stain resistance without leaving a film and locks paver joint sand in place. Molecule [JSS] is VOC-free, ready-to-use out of the bottle, and easy to apply using a common handheld pump sprayer and squeegee. One single application reduces staining from vehicle tires, debris, and most liquids while limiting freeze-thaw damage in harsh, cold weather climates.

- Next-Generation sealer technology
- Penetrating surface protectant
- Hybrid stabilizing polymer for paver sand joints up to ¼" wide
- Tire tracking & stain resistance
- Diamond clarity matte finish
- Reduces freeze-thaw damage
- Breathable stain repellency
- Ready-to-Use out of the bottle
- Easy pump sprayer application
- Quick drying action limits downtime
- For use on residential & commercial paver driveways, walkways, & patios

COVERAGE RATE:

Porous pavers, bricks, & natural stone (up to ¼" joints) - 150 Ft² / Gallon

Dense pavers, bricks, & natural stone (up to ¼" joints) - 250 Ft² / Gallon



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TOOLS:	
<p>BASIC</p> <ul style="list-style-type: none"> ➤ Handheld or backpack pump sprayer (25-45 PSI) ➤ Foam rubber squeegee w/ broom handle extension 	<p>OPTIONAL</p> <ul style="list-style-type: none"> ➤ For hard-to-reach areas; <ul style="list-style-type: none"> ○ 3/8" nap paint roller ○ Foam paint brush ○ Grout sponge

SUITABLE APPLICATIONS & MATERIALS:	
<p>APPLICATIONS</p> <ul style="list-style-type: none"> ➤ Patios ➤ Walkways ➤ Driveways 	<p>SURFACE MATERIALS</p> <ul style="list-style-type: none"> ➤ Pavers ➤ Natural stone ➤ Bricks

INSTALLATION:	
<p>TOP 5 TIPS</p> <ul style="list-style-type: none"> ➤ Molecule [JSS] should be installed within an ambient and surface temperature range of 40° - 90° F. Shaded, low sunlight, or colder areas will lengthen cure times. Conversely, direct sun, warmer areas will shorten cure times. Avoid temperatures at or below freezing or above 100° F for application, curing phase, or storage. ➤ Molecule [JSS] is a hybrid formulation, water-based, penetrating sealer. The curing phase is dependent upon complete evaporation of the water component (usually 12 - 24 hours in optimal conditions). ➤ Apply Molecule [JSS] in one single application coat. Do not divide recommended application rates into multiple coats. Always consult manufacturer coverage rate guidelines, or contact our Technical Support desk by phone 877-356-2250, or by email Info@TechniSoil.com. ➤ Do not apply Molecule [JSS] within a minimum of 24 hours before or after rainfall. In excessively wet conditions, allow project area to dry completely before application. 	<ul style="list-style-type: none"> ➤ Clean hardscape surface thoroughly before applying. Molecule [JSS] should not be applied over the top of other sealers, stains, efflorescence, or dirt as it may affect adhesion, cure, & finished aesthetic. <p>PROJECT PLANNING</p> <ul style="list-style-type: none"> ➤ Always perform a test section using recommended installation methods to confirm suitability of materials and project conditions! ➤ Remove all existing sealers, stains, dirt, efflorescence, & debris with environmentally safe cleaning agent before applying Molecule [JSS]. Surface must be completely clean and dry before application. ➤ For new construction, use a sand material specifically recommended for paver joints up to a maximum average width of ¼". ➤ For existing projects and renovations, remove any existing joint material completely before installing new joint material. ➤ Do not apply in wet conditions. Plan a minimum 24 hour time window free of rainfall for application and curing phase. ➤ Coverage rates may vary based on surface porosity, and joint width, depth, & material.



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PROJECT PLANNING (continued)

- Keep project area free from any moisture such as rain or irrigation sprinklers, vehicular traffic, or otherwise until fully cured (12 - 24 hours in optimal daytime conditions).

APPLICATION

- Personal protective equipment (PPE) is recommended for application:
 - Gloves
 - Safety glasses
- Install recommended jointing material into hardscape surface
 - **TIP:** Molecule [JSS] is designed to stabilize paver sand joints up to ¼" maximum width. UltraMix Paver Joint Sand is the recommended joint material for this type of application.
- Sweep jointing material thoroughly into all hardscape joints using a push broom. A whisk broom may be used in tight or hard to reach areas.
- For brittle paving materials, use a padded hand tamp or rubber mallet to tamp the surface to fill any air pockets and settle the jointing material between the joints. Repeat as necessary until joints are properly filled with jointing material.
- For sturdy paving materials use a vibratory plate compactor (rubber sole) to settle sand between the paver joints. Repeat as necessary until joints are properly filled with sand.
 - **TIP:** Sand joints should not be filled completely to a point where they are flush with the hardscape surface as it will lead to increased abrasion. Most pavers have a joint fill line approximately ⅛" - ¼" below the top. Narrow hardscape joints are purposed with the prevention of broken materials during movement, not as a traffic-ready surface.
- For best results, thoroughly remove any residual sand, dust or aggregates from the hardscape surface using a leaf blower or broom before applying Molecule [JSS].
- Mask or shield any adjacent surfaces in case of overspray or accidental application.
- Pour contents of Molecule [JSS] bottle into a 1 - 5 gallon capacity handheld or backpack pump sprayer.

- Carefully plan application process to avoid under or over application and 'painting into a corner'.
- Visually map out sections of application area according to recommended coverage rate to ensure proper coverage.
 - **TIP:** If the recommended coverage rate is 150 ft²/gallon, measure an area that matches 150 ft² (15' x 10' for example) and set a small indicating marker at the beginning and end of the section. Ensure 1 gallon of sealer has been evenly distributed over the section.
- Spray Molecule [JSS] evenly over surface using a side-to-side motion. Avoid puddling or significant runoff of sealer.
- **IMPORTANT!** Focus spray on joint areas as needed. Initial surface tension may prevent penetration, but typically resolves once wetting occurs. For optimal stabilization, the sealer must be allowed to penetrate the joint material.
- Sealer will have a white and muted purple hue initially which quickly dissipates and turns clear.
 - **IMPORTANT!** Before sealer fully penetrates and/or turns clear, use foam rubber squeegee to evenly distribute over the application surface.
- A ¾" nap roller, grout sponge, or foam paint brush may be used to apply sealer in hard to reach places.
- During application, avoid foaming sealer. If foaming occurs, distribute the liquid evenly using a squeegee or sponge.
- **IMPORTANT!** Do not divide recommended application rates into multiple coats. Always consult manufacturer coverage rate guidelines or contact technical support at: 877-356-2250.
- **IMPORTANT!** Do not stack multiple coats in succession during or near the time of initial application. Molecule [JSS] contains a joint sand stabilization polymer blend that may not penetrate if the surface has been sealed previously.
- Keep treated project areas free of any moisture such as rain or irrigation sprinklers, foot traffic, or otherwise until fully cured (usually 12 - 24 hours in optimal conditions).

CLEANUP

- Clean all tools immediately after use by simply rinsing tools with water and a soft bristle brush.



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CLEANUP (continued)

- In case of accidental sealer spill onto tools, equipment, or adjacent surfaces, clean immediately with soap and water as needed.
 - For dried sealer, use a 1:1 acetone / water mixture and a brush to scrub affected areas. Use caution, acetone will remove paint from surfaces.

STORAGE

- Store unused Molecule [JSS] with lid secured indoors and out of direct sunlight in a temperature range of 40° - 90° F
 - Do not allow material to freeze

MAINTENANCE

- For periodic maintenance of surface sealed with Molecule [JSS], use Molecule [HS] Hardscape Shampoo to clean and bolster the protectant coating.
- **IMPORTANT!** If the sand joints are in good condition at the time of a maintenance coat application, Molecule [DS] Driveway Sealer can be used in place of Molecule [JSS].
- If sand joints have loosened, a Molecule [JSS] maintenance coat can be applied at the recommended application rates 6-24 months after initial application.

WARRANTY

- TechniSoil Global, Inc. warrants this product to be free from defects. Where permitted by law, TechniSoil makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to orchestrate their own tests to determine the suitability of this product for their particular purpose. TechniSoil's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which product proven to be defective has been applied. Acceptance and use of this product absolves TechniSoil from any other liability, from any and all sources, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of TechniSoil, its distributors or dealers, independent contractors, clients or end-users of any kind.