

PAVEWAVE™ WATER-BASED STAIN

TECHNICAL DATA SHEET



DESCRIPTION

PaveWave™ Water-Based Paver Stain is a semi-transparent, topical colorant developed specifically for concrete pavers and other rough, porous hardscapes. Using the natural porosity of pavers and their ability to absorb moisture, PaveWave™ infuses the surface with micronized pigments at a high pigment concentration, creating richer color saturation with fewer coats and without altering the underlying texture. The eco-friendly, zero-VOC formula allows you to revitalize faded patios, walkways, driveways and pool decks with vibrant, variegated tones while maintaining control over color depth and placement. Although highly pigmented, this water-based stain remains easy to apply using a pump sprayer or roller and must be sealed once dry to lock in the color. Designed for exterior use, PaveWave™ integrates seamlessly with new or existing pavers. Its advanced polymer modification and high-quality pigments ensure durability and consistent color even on high-traffic surfaces.

PRODUCT BENEFITS

- **Exceptional Penetration and Durability:** The product's advanced formula allows for deep infusion into the concrete's pores, depositing micronized pigments for durable, mottled, and marbled finishes. This ensures color consistency and longevity.
- **Enhances Natural Finish:** CPaveWave™ Stain enhances the pavers' natural finish rather than hiding it, allowing the material's character to shine through.
- **Color Enhancement Options:** PaveWave™ Stain can be applied over other concrete treatments to enhance the tone of colored concrete.
- **Artistic Possibilities:** PaveWave™ opens up a world of artistic possibilities, enabling unique and visually stunning installations.

PRE-APPLICATION

- **Clean:** The surface must be entirely free from dust, dirt, oil, grease, paints, glues, curing agents, efflorescence, chemical contaminants, rust, algae, mildew, and other materials that might interfere with the infusion and effectiveness of the stain's micronized pigments.
- **Cured:** Ensure concrete pavers are fully cured before applying PaveWave™. A minimum curing period of 28 days is recommended for optimal results. Applying the stain to concrete pavers that are not fully cured may result in unpredictable color and adhesion.
- **Sound:** The surface must be dry and structurally sound.
- **Profiled:** Conduct an absorption test to determine if the concrete is ready for staining. Pour water onto the surface and wait 3-5 minutes. If the water is not absorbed, clean and etch the surface using CitrusEtch™ concrete Etcher to open the pores of the concrete surface. Refer to the CitrusEtch™ Technical Data Sheet for instructions.
- **Temperature:** Apply when temperatures are between 60°F (15°C) to 95°F (35°C) for optimal results..

PREPARATION

- **Personal Safety:** Always wear appropriate personal protective equipment as recommended in the Safety Data Sheet.
- **Area Preparation:** Protect surfaces not intended for staining by covering surrounding areas to prevent accidental application.
- **Avoid using tape on concrete surfaces before or after staining,** as adhesives and plasticizers can interfere with the stain's effectiveness.

TOOLS FOR APPLICATION

- **For Large Applications:** Apply stain using a garden-type pump sprayer (with the filter removed)
- **For Small Projects:** Use a soft brush or a small foam applicator.

APPLICATION

- Before application, thoroughly mix **PaveWave™** to ensure uniformity. If using multiple jugs from different production lots, combine and mix them together to guarantee even coloration across the project.
- Plan the work area in manageable sections, utilizing natural break points such as walls and joints to avoid discrepancies in application. Maintain control of wet edges to reduce overlap marks.
- Apply **PaveWave™** using the prepared pump-up sprayer to achieve an even coat. To prevent track lines from the sprayer, use a circular spraying motion.
- Use spiked shoes if walking on the stained area is necessary. Avoid walking on wet stain to maintain a smooth, even application.
- There is no need for drying time between coats, allowing for seamless layering.
- Over-application should be avoided; excess stain that doesn't penetrate the concrete paver surface can hinder sealer adhesion. If stain can be easily wiped away after application, it indicates insufficient surface penetration, necessitating further surface preparation.
- Allow the final coat of stain to dry completely, which typically takes 4 -12 hours, before proceeding with sealing.

THINNING

Diluting this product is strongly discouraged.

COVERAGE

Estimated coverage is approximately 200 square feet (18.58 m²) per gallon. Actual coverage rates may differ based on factors such as surface porosity, texture, the age and condition of the concrete, chosen application method, and prevailing environmental conditions.

CLEAN UP

Clean up **PaveWave™** **Water-Based Paver Stain** with **ProClean Degreaser™** and water standard solution.

SEALING

- **PaveWave™** stained pavers must be sealed to preserve the color and finish.
- Ensure the surface is clean and dry prior to sealing. Fans and blowers can be used to speed up the drying process.
- Solvent-based sealers will produce a deep and brilliant look, whereas water-based sealers tend to give a more toned-down appearance.

SURFACE PROTECTION AND MAINTENANCE

- Periodically inspect the sealed surface for areas where the sealer may be thinning or showing signs of wear due to traffic. Reapply the sealer as needed, following the guidance provided in the appropriate Technical Data Sheet.
- If traces of efflorescence are present, they should be removed using a gentle cleaner before resealing or applying any maintenance products.

SUITABILITY SAMPLE

Prior to application, prepare a sufficient number of test areas on the actual substrate to determine the aesthetic suitability of the product for its intended use.

LIMITATIONS & PRECAUTIONS

Batch Variability: The supply of specialized pigments may vary between batches. To ensure color consistency, use the same batch for the entire job or mix multiple batches together ("boxing").

Surface Characteristics: **PaveWave™** is a translucent stain designed to enhance but not hide the concrete surface. It won't cover discolorations, blemishes, cracks, or other irregularities and may highlight differences in porosity. Typically, it appears lighter when dry than when wet.

Sealant Requirement: **PaveWave™** requires a sealer for color enhancement; it is not a standalone sealant product.

Color Accuracy: While efforts are made to accurately represent colors in product literature, photos, and sample color chips, the actual color achieved on concrete can significantly differ. This discrepancy stems from the stain's translucent nature, allowing the color of the paver base to affect the final shade.

SLIP RESISTANCE

This product does not alter slip resistance. Slip resistance is determined by the chosen sealer. For enhanced slip-resistance on exterior surfaces, integrate OxiGrip™ into the sealer. Ensure you obtain and review the appropriate Technical Data Sheet and Safety Data Sheet prior to using this product.

DISPOSAL

For the disposal of any unused product, please refer to your local environmental or hazardous waste management authority to ensure compliance with local regulations.

SHELF LIFE AND STORAGE

This product should be used within one year of purchase for optimal effectiveness. For storage, keep the product indoors, in a cool area away from direct sunlight and heat sources.

HEALTH & SAFETY GUIDELINES

CAUTION: Avoid contact with eyes and skin. Do not breathe vapors. Do not take internally. In case of eye contact, flush thoroughly with water. In case of skin contact, flush thoroughly with water. If swallowed, do not induce vomiting. Call physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY

PaveWave™, a proprietary product, is guaranteed to maintain uniform quality within the bounds of manufacturing tolerances. However, as we have no control over its application, no explicit or implied warranty is provided concerning the effects of such use. In the event of a proven defect, our liability is strictly limited to refunding the purchase price of the defective material. The user is responsible for all other risks and liabilities that may arise from the use of this product. For any inquiries, please reach out to Direct Colors customer service.

AVAILABLE SIZES & PACKAGING

4-Ounce (0.118 L) Bottle	5-Gallon (18.925 L) Carboy
1-Quart (0.946 L) Bottle	55-Gallon (208 L) Drum
1-Gallon (3.785 L) Jug	

APPLICABLE STANDARDS

Meets EQ Credit 4.2 for Low-Emitting Materials: Paints & Coatings, when applied in conjunction with a low VOC sealer.

COMPLEMENTARY PRODUCTS

- ProClean Degreaser™ Concentrate Cleaning agent.
- CitrusEtch™ - Concrete etching agent.
- ProClean Neutralizer™ Concentrate.
- EasySeal™ Acrylic Solvent-Based Tinted Sealer
- AquaSeal™ Acrylic Water-Based Tinted Sealer
- OxiGrip™ Slip resistant Sealer additive

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