

PHOENIX PAVER



Data Sheet for SB-1300 Joint Stabilizing Sealer

This product is available through Phoenix Paver Mfg.

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USES

Interlocking concrete, clay and natural stone paving.

OTHER USES

Concrete, masonry, natural and manufactured stone, porous or unglazed tile and terrazzo.

Not recommended for granite, marble, asphalt, glazed or ceramic tile.

RELATED PRODUCTS

SB-600 Wet Look Sealer

SB-5000 Stainblocking Invisible Sealer

SB-4000 Water Repelling Invisible Sealer

SB-10 Paver Bond®

SB-442 General Stain Remover

SB-488 Efflorescence & Rust Remover

Features	Benefits
What makes SB-1300 Joint Stabilizing Sealer different?	
Immediate, easy application	• Fast drying, tack-free product can be used as soon as pavers are installed
Breathable	• Will not trap moisture or efflorescence and whiten
Dual purpose	• Sealer and joint sand stabilizer
Modified epoxy	• Protects against salt, acid and other corrosives
Water-based	• Solvent free
Environmentally friendly	• Exceeds all VOC and EPA standards
What are the benefits of joint sand stabilization?	
Reduces weeds	• Maintains joint sand height, reducing weed growth
Reinforces pavement	• Maintains horizontal friction by bonding the sand between units
What makes SB-1300 Joint Stabilizing Sealer convenient as a joint sand stabilizer?	
Chemical cure	• Does not soften when wet
Easy maintenance	• Can be cleaned and power washed
What are the benefits of sealing?	
Stain resistant	• Improves maintenance efforts and cleaning becomes easier
Water seals	• Reduces water penetration
What makes SB-1300 Joint Stabilizing Sealer different as a sealer?	
Preserves color	• Does not yellow while protecting from UV light
Penetrant coating	• Will not delaminate or show wear and tracking
Versatile	• Use on multiple surfaces
Clear coat	• Topical resealing can be carried out

PRODUCT DESCRIPTION

SB-1300 Joint Stabilizing Sealer is a water-based, single component, epoxy-modified, enhancing sealer and joint sand stabilizer. The product can be used both inside and outside, on old and new pavements, sealing paving stones and stabilizing joint sand at the same time. It is the only sealer that can be applied immediately after paver installation, as it is breathable and will not trap the naturally occurring efflorescence. This breathability also decreases freeze-thaw damage and improves surface durability and ease of maintenance. SB-1300 Joint Stabilizing Sealer is solvent free and exceeds all VOC and EPA standards. The product is non-hazardous and has the consistency of water. It is milky white when applied and dries crystal clear, creating a finish that ranges from a matte finish to a satin sheen, depending on the surface. Cured sealer is freeze resistant to -60°F (-51°C) and is stable up to a temperature of 180°F (82°C).



PREPARATION

The pavement surface should be clean and free from oil, dust and any loose material. If necessary, use SB-442 General Stain Remover to clean pavers (refer to label and data sheet for guidelines). The paver joints should be completely filled with dry, correctly graded jointing sand with the top level not exceeding the bottom of the chamfer or 1/8" below the surface on non-beveled or tumbled paver surface. A leaf blower is the recommended method to remove dust and fine sand particles from the surface and achieve the optimum joint sand height. Remove all visible efflorescence prior to sealer application; use SB-488 Efflorescence and Rust Remover if necessary (refer to label and data sheet for guidelines). Be sure surface is dry prior to application.

APPLICATION INFORMATION

SB-1300 Joint Stabilizing Sealer should be flood coated to the pavement surface using a siphon pump, bulk sprayer or a handheld garden sprayer. Use coverage guidelines to determine the correct amount of material for the project. Flood joints to ensure proper sand penetration and stabilization and use a soft foam squeegee to direct excess material into the joints and to remove all excess material from the surface. Material coverage will depend on surface porosity, joint size and pavement usage. Care should be taken that no excess material is pooled on the surface. Clean all application equipment with water and do not allow material to dry in containers as removal becomes more difficult.

NOTE: When using SB-600 Wet Look Sealer in conjunction with SB-1300 Joint Stabilizing Sealer, SB-600 should be rolled or sprayed on the surface first. When spraying SB-600 Wet Look Sealer, ensure the joint sand is not completely saturated with the product, as this will inhibit the penetration of the SB-1300 Joint Stabilizing Sealer. Allow SB-600 Wet Look Sealer to cure completely.

DRYING TIME

The paver surface should be dry to the touch within approximately 30 minutes of application. Ensure that pavement is protected from moisture and traffic for at least 24 hours after application and, although initial joint stabilization occurs quickly, complete curing will take additional time. Drying time will vary depending on temperature and humidity.

MAINTENANCE

Pavements should be correctly maintained to get the best performance from both the pavement and SB-1300 Joint Stabilizing Sealer. Surebond sealers are compatible with Surebond cleaners and can be used to remove organic and inorganic stains like oils, food and beverages and mineral deposits from the pavement surface. Test cleaners in inconspicuous areas prior to cleaning and always thoroughly rinse off surface after cleaning. Hot water pressure washers should be used in conjunction with Surebond cleaners for best results; heat will significantly improve results when extracting the residue from oil based stains (call for correct cleaning practices). SB-442 General Stain Remover should be appropriately diluted and applied only to affected areas. Mineral deposits should be removed using SB-488 Efflorescence and Rust Remover and a cold water 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 many surfaces including concrete itself. SB-1300 Joint Stabilizing Sealer will not show wear patterns and topical resealing can be carried out frequently without evidencing differences in high-traffic areas. Re-applications should be carried out every 3-5 years depending on the type of pavement, usage and wear.

COVERAGE*

MATERIAL	SQ FEET	SQ METER
Interlocking Concrete Pavingstones	80 - 120	7.4 - 11.1
Concrete	150 - 200	14.0 - 18.6
Masonry	100 - 300	9.3 - 27.9
Natural/Manufactured Stone	100 - 300	9.3 - 27.9
Porous/Unglazed tile, Terrazzo	100 - 300	9.3 - 27.9

*Per gallon. Coverage based on single coat. Some applications may require additional coats. Actual coverage may vary depending on the type, age, condition, joint size and porosity of the surface, application method and other local conditions like excessive heat. Visit www.surebond.com for the latest technical information.

PACKAGING/SIZES

6 x 1 gallon containers per case / 5 gallon pails / 55 gallon drums / bulk packaging available.

STORAGE

Do not freeze container.

SHELF LIFE

Two years.

APPLICABLE STANDARDS

- ASTM E 514-90 "Water Permeability Test"
- ASTM D 1653-93 "Water Transmission of Organic Coating Films"
- ASTM C 1028-89 "Skid Resistance"
- New York DOT Test 704-07 "Salt Corrosion Test"

PRECAUTIONARY INFORMATION

Excessive applications can cause surfaces to become slippery. When this material is used on interlocking pavers their natural slip resistant texture significantly aids in providing a non-slip surface. Use adequate ventilation and wear protective clothing. Harmful if swallowed, inhaled or absorbed through the skin. Wash hands thoroughly after handling and keep containers closed when not in use. Avoid breathing vapor mist and avoid direct contact with skin (see Material Safety Data Sheet).

LIMITATIONS

Do not expose containers to freezing temperatures and store inside during cold weather. Test sealing is always recommended to ensure both the proper physical and aesthetic properties prior to starting a project. Never try to seal wet or damp surfaces. A minimum temperature of 45°F (7°C) must be maintained for a period of 24 hours prior to application. Working time is reduced when temperatures are above 90°F (32°C), so it is recommended that sealing take place during cooler temperatures. Work shall cease in inclement weather (rain or strong wind).

WARRANTY

Manufacturer warrants its products conform to the published specifications. No other warranties are expressed or implied, including those of merchantability or fitness for any purpose not expressly set forth herein. The user must determine suitability of the products for their particular use. Manufacturer and any seller's liability for incidental or consequential damage hereunder shall not exceed the purchase price of the product used.

ASSISTANCE & ADDITIONAL INFORMATION

For sales, specification assistance, technical questions, detailing, etc., please contact:

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