Techniseal®
Protect and Beautify

HP² Polymeric Jointing Sand
for Pavers

50 lb.
High-Performance
Formula

UPDATE

August 12, 2013
Make sure that you have an up-to-date technical data sheet in hand by consulting our website: techniseal.com

U.S.A. and Canada: dial 1 800 465-7325
Others: dial (514) 523-8324 (Canada)

APPLICATIONS

- For pavers made of concrete, natural stone, etc.
- For heavy-traffic and high-humidity areas, steep slopes and false or wide joints.

PROPERTIES

- Optimal strength
- Inhibits weed growth
- Deters ants and other insects
- Eliminates joint erosion – water, frost heaving, wind, power washing, etc.
- Water resistant 90 minutes after installation
- Stabilizes pavers – Strengthens interlocking

DESCRIPTION

TECHNISEAL® HP² POLYMERIC SAND is a state-of-the-art mix of graded sand (ASTM-C144) and binder that flows smoothly down joints for a fast and effective installation of pavers with wide and false joints. It is also recommended for areas exposed to heavy traffic and high-humidity[1]. Easy to use, HP² POLYMERIC SAND starts to set only a few minutes after being activated with water, and quickly becomes resistant to water erosion (rain, splashes, sprinklers, etc.). TECHNISEAL® HP² POLYMERIC SAND offers great resistance to weed growth, insect invasion, and erosion.

MINIMUM JOINT WIDTH: 1/8”
MAXIMUM JOINT WIDTH: 4”
MINIMUM JOINT DEPTH: 1.5”

[1]For surfaces exposed to normal conditions and for narrow joints, use RG+ POLYMERIC SAND.

DIRECTIONS

Test: To ensure the results will meet your expectations, always test the product on a small hidden area of approximately 4 sq. ft..

Weather conditions: Check the weather forecast: Ideally, there should be no precipitation for the next 24 hours. Although the product can resist unforeseen rainfall, it could be affected by a storm. Temperature should remain above 320F during the 48-hour drying period.

Surface conditions: Surface must be dry to prevent moisture from activating the polymer, which could make sand stick to the surface and stain it.

Before you begin: Wear adequate protective clothing. In case of uncertainty regarding the installation of this product or for any further assistance, please contact technical support at 1 (800) 465-7325.

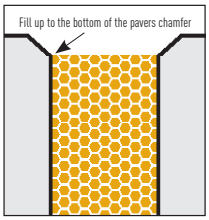
1. Spreading Sand over the pavers:

Surface must be dry. Spread sand uniformly over the surface. Using a push broom, sweep the product so as to fill the joints completely, down to their full depth. Avoid sweeping the product over long distances, so that the integrity of polymeric joint is preserved.

2. Compacting the Sand:

This step is critical to obtain solid, durable joints. Without compaction, joints will remain weak and fail quickly.

Mechanical compaction (recommended method): Run a plate vibrator over the entire surface to fully firm up the joints. **Note**: Check with the paver supplier as to the suitability of using a plate vibrator.



Manual compaction (if a plate vibrator is not available): Use a rubber mallet to vigorously hammer the four corners of each paver. This will create some vibration and compact the sand in the joints.

Repeat steps 1 & 2 until joints are completely packed. Joints must be filled up to the bottom of the pavers chamfer, or at least up to 1/8" below the top of the pavers.

3. Wetting the joints:

This step must be followed closely in order to ensure optimal results.

Important! Before wetting the surface: **Remove all sand residue with a leaf blower.** Keep the leaf blower at a good distance, so as to not empty the joints. This will avoid having product residue activated with water and stick to the surface of the pavers or slabs. Surfaces must be free of the product.

Since HP² starts repelling water only a few minutes after it gets wet, it is essential to wet 200 sq. ft. of surface at a time. Ensure that the wetting of one section is finished before another section is started. Wetting of the entire project should be done without interruptions.

1. Set the spray nozzle to "shower".
2. Start showering from the bottom of the slope.
3. Wet the section for **approximately 30 seconds** without displacing the sand.
4. Wait a few seconds and wet the same section again for **approximately 30 more seconds** to wet the joints completely.
5. Using a small screwdriver, verify the progress of the wetness in the section. The objective is to get joints wet 1 ½" deep.
6. Immediately move on to an adjacent 200 sq. ft. section. **Avoid excess flooding of the surface, which could cause unwanted run-off.**

Tip: On textured pavers, after wetting the joints, use a leaf blower to blow excess water off the surface. This will remove any remaining sand and polymer residue, which will prevent hazing.

Existing installation: For joint replacement projects, it is necessary to first empty the joints before filling them with Polymeric Sand. The minimum depth must be 1 ½" . Use a pressure washer to empty the joints. Visit techniseal.com for a complete video on how to empty joints.

Drying: HP² will become water resistant after 90 minutes* and should not be exposed to rain within that period. To ensure optimal cohesion and long-term stability, HP² must dry completely after initial wetting. Drying time will be shorter if it is warm and dry, and longer if the climate is cool and damp. Temperature should remain above 32°F during the entire drying process (minimum 48 hours).

*At 75°F; drying may take longer at a colder temperature

Down time before using:

- Pedestrian areas: no specific considerations
- Motor-vehicle areas: 24 to 48 hours

IMPORTANT

Do not apply to wet or damp surfaces as the activation of the binder will make TECHNISEAL® polymeric sand stick to the surface and prevent it from flowing down into joints. Do not start HP² installation if rain is forecasted for the next 90 minutes. Do not mix polymeric sand with cement or sand. Avoid excessive wetting or flooding of paved areas during installation. Not for use on submerged or constantly wet surfaces. Do not use as a substitute for mortar (e.g. paving stones installed over a concrete bedding). Use on pavers or slabs installed over a drainage bed (sand-set).

COVERAGE

50 lb. cover 60 to 75 sq. ft. with narrow joints, or 25 to 40 sq. ft. with wide joints. Required quantity will depend on the shape and size of the pavers or slabs, and on the width of joints.

PACKAGING

Polymeric Sand	Product Code	Color	Retail Size	Units per pallet
HP²	191-037	Tan	50 lb. (bag)	56
	191-047	Granite	50 lb. (bag)	56
	191-067	Karbon	50 lb. (bag)	56
	ID21-047	Western Grey	50 lb. (bag)	56
	PX21-047	Summit Grey	50 lb. (bag)	56
	CA21-037	Napa Tan	50 lb. (bag)	56
	CA21-047	Sierra Grey	50 lb. (bag)	56
	ID21-037	Western Tan	50 lb. (bag)	56
	MP21-027	Bourbon Tan	50 lb. (bag)	56
	MP21-037	Southern Tan	50 lb. (bag)	56
	MP21-047	Southern Grey	50 lb. (bag)	56
	NE21-037	Prairie Tan	50 lb. (bag)	56
	NE21-047	Prairie Grey	50 lb. (bag)	56
	ON91-037	Niagara Tan	50 lb. (bag)	56
	ON91-047	Nordic Grey	50 lb. (bag)	56
	GA21-037	Canvas Tan	50 lb. (bag)	56
	GA21-047	Slate Grey	50 lb. (bag)	56
	MI21-037	Mojave Tan	50 lb. (bag)	56
	PX21-037	Sandstone Tan	50 lb. (bag)	56
	SC21-047	Silex Grey	50 lb. (bag)	56

Color varies from one region to another. Shipping fees will be added to non-local sands.
Consult your Techniseal dealer for color availability, pricing and delivery time.

STORAGE and SHELF LIFE

Store product in its original packaging, in a dry place and away from U.V. rays. Bags may be stored outside if they are properly protected with an opaque and waterproof tarp.

WARNING

CAUTION. MAY CAUSE SKIN, EYE AND RESPIRATORY IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. PROLONGED INHALATION MAY CAUSE LUNG DAMAGE AND CANCER. **CONTAINS:** Portland cement and crystalline silica. **Warning:** This product contains crystalline silica which is known to the State of California to cause cancer. Avoid contact with eyes, skin and clothing. Do not breathe dust. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN. FIRST AID:** Eye contact: Immediately flush eyes with water for at least 15 minutes and call a physician or Poison Control Center. Skin contact: Wash thoroughly with soap and water.

FOR MORE INFORMATION, CONSULT THE MATERIAL SAFETY DATA SHEET

SHIPPING

Land and sea

NOT REGULATED

LIMITED WARRANTY

Manufacturer, having no control over the use of the materials, does not guarantee finished work. Replacement of any defective product shall be the buyers sole remedy under this warranty. A proof of purchase will be required for any claim. Before using this product, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. User shall test product in a small inconspicuous area (approx. 4 sq. ft.) under projected conditions of use. In the event that no test was carried out, the warranty will only apply to 4 sq.ft. This limited warranty excludes any liability for any consequential, incidental, indirect or special damages. Except for the limited warranty made above, manufacturer specifically disclaims and excludes any other express warranty, any implied warranty of merchantability of goods and implied warranty of fitness of goods for any particular purpose.