



HP & RG Polymeric Sands for Pavement Joints



UPDATE

July 15, 2008

Make sure that you have an up-to-date technical data sheet in hand by consulting our Web site: 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.†
- Driveways, patios, terraces, commercial parking lots, pedestrian areas, etc.

PROPERTIES

- Applied dry – Hardens after being sprayed
- Inhibits weed growth
- Resists ants and other insects
- Resists erosion – water, frost, wind, street sweepers, etc.
- Stabilizes pavers – Follows movements

DESCRIPTION

TECHNISEAL POLYMERIC SAND FOR PAVEMENT JOINTS is a high-tech mix of graded sand (ASTM C-144) and binder, specially formulated for the filling of narrow or wide joints when installing[†] pavers or slabs, or when replacing existing joints. Unlike conventional sand, it stays in place and remains stable; this is why it effectively resists erosion caused by water, frost, wind, etc. In addition, it prevents insect infestation and inhibits weed growth. It stabilizes all horizontal surfaces and sloped surfaces. It softens when it is wet and firms up when it dries to better resist soil movements. It helps keep the surroundings clean by preventing joint sand from getting into the house or pool. Easy to use, POLYMERIC SAND is applied dry and hardens after wetting.

†Use on pavers or slabs installed over a drainage bed (sand-set). ICPI recommends the use of sand as bedding material for pavers and slabs.

DISTINCTIVE FEATURES

HP POLYMERIC SAND:

This high-tech mix of graded sand (ASTM C-144) and the latest generation of polymer binders provide effectiveness and optimal durability in all circumstances. It is recommended for paver and slab joints in highly-exposed areas: public ways (pedestrian and vehicular), sloped driveways (subject to fast erosion due to runoff), swimming pool decks (frequently soaked), etc. It is also recommended for wide joints and where old joints made of conventional sand are being replaced.

Maximum width: 1”; a larger joint width is acceptable where the pavers intersect.

Joint depth: Fill paver joints completely. Minimum depth: 1.25”.

RG POLYMERIC SAND:

This mix of graded sand (ASTM C-144) and polymer binders is specially formulated for the filling of paver or slab joints on horizontal surfaces exposed to normal traffic, such as driveways, sidewalks, patios, etc.

Maximum width: 0.5”; a larger joint width is acceptable where the pavers intersect.

Joint depth: Fill paver joints completely. Minimum depth: 1.5”.

DIRECTIONS

Wear adequate protective clothing. **To ensure the results will meet your expectations, it is advisable to test the product on a small hidden area.**

Weather conditions: Use product under **dry weather and when there is no rain forecasted** for 24 hours. Temperature should be above 55°F for RG POLYMERIC SAND, or above 40°F for HP POLYMERIC SAND.

1. Installation:



The surface must be completely dry. Spread the product 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, to preserve the integrity of the mix.

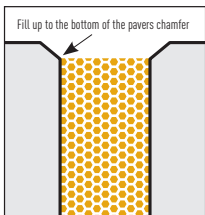
2. Compaction:



This step is essential to obtain solid, durable joints.

Pavers 2” thick or more: Pass a plate vibrator over the entire surface to fully firm up the joints.

Slabs and pavers less than 2” thick: If the mechanical compaction is not recommended by the manufacturer, hammer the entire surface with a rubber mallet to create a vibration that will fully firm up all the joints.

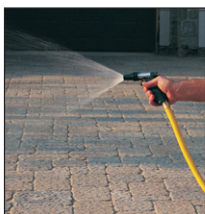


Repeat steps 1 & 2 until the joints are completely packed. Joints must be filled up to the bottom of the pavers chamfer, or no higher than 1/8” below the top of the pavers.

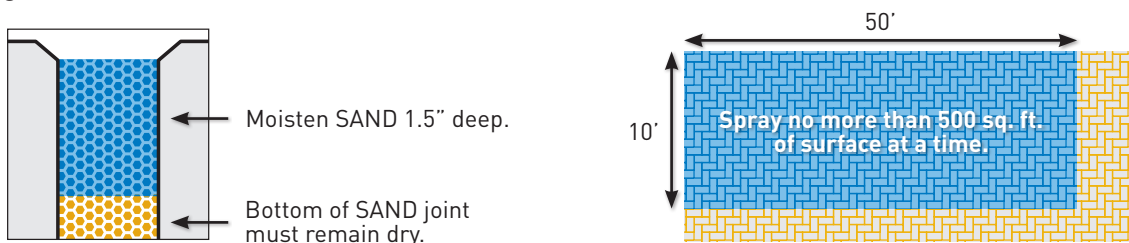
3. Wetting:



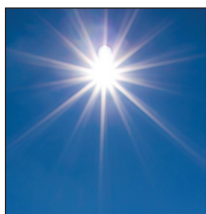
Important: To avoid having the product stick to the surface of the pavers or slabs, surface must be free of the product. Sweep the surface with a fine bristle brush and remove all residues with a leaf blower. **Principle:** Wetting should take place in sections no larger than 500 sq. ft. at a time. Ensure that the wetting of one section is finished before another section is started. Produce a very fine mist so that the water falls gently without displacing the POLYMERIC SAND. Moisten the section lightly and in a continuous manner. Avoid flooding the surface and causing a runoff. Using a small screwdriver, verify the progress of the wetness in several areas by emptying a small portion of the POLYMERIC SAND. Once the joints are moistened 1½ inch deep, stop watering the section and move on to the next one. Too much water will cause the binder to run off and prevent the SAND from solidifying.



3. Wetting (continued):



4. Drying:



To ensure optimal cohesion and long-term stability, POLYMERIC SAND must dry completely before being exposed to water. In cases where the surface could be exposed to water during the drying period, protect it with a tarp. Remove the tarp as soon as the risk of exposure is past.

Down time before using:

- Residential uses: No specific considerations
- Motor-vehicle areas: 24 to 48 hours

Note: Drying time can be considerably less in dry climates but will be prolonged in cold and damp weather.

To preserve the appearance and the integrity of pavers installed with TECHNISEAL POLYMERIC SAND, it is advisable to treat the surface with a TECHNISEAL PROTECTIVE PRODUCT. Wait 30 days after installation before treatment.

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 use if rain is forecasted. 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

66 lb. cover 80 to 100 sq. ft. with narrow joints, or 30 to 55 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
HP	121-837	Tan	50 lb.	56
	MP21-837	Southern Tan	50 lb.	56
	NE21-837	Prairie Tan	50 lb.	56
	ID21-837	Western Tan	50 lb.	56
	121-847	Granite Grey	50 lb.	56
	TP21-847	Pacific Grey	50 lb.	56
RG	121-737	Tan	50 lb.	56
	MP21-737	Southern Tan	50 lb.	56
	NE21-737	Prairie Tan	50 lb.	56
	ID21-737	Western Tan	50 lb.	56
	121-747	Granite Grey	50 lb.	56
	TP21-747	Pacific Grey	50 lb.	56

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. Skin contact: Wash thoroughly with soap and water. .

FOR PROFESSIONAL USE ONLY

FOR MORE INFORMATION, CONSULT THE MATERIAL SAFETY DATA SHEET

SHIPPING

Land and sea

NOT REGULATED

LIMITED WARRANTY

Since it has no control over surface preparation and product application, Techniseal can not guarantee the results. Techniseal warranty is limited to the replacement of product proven defective. A proof of purchase will be required for any claim. Note: User should have an up-to-date technical data sheet handy (techniseal.com) and make sure that this product meets his or her needs by carrying out a test under anticipated conditions of use.