



HP and RG POLYMERIC SANDS

for PAVEMENT JOINTS

66 lb.

Choice of colors

Tan / Ochre

Grey

UPDATE

November 24, 2006

Make sure that you have an up-to-date technical data sheet at hand.

Canada and U.S.A.: dial 1-800-465-7325.

Others: dial 514-523-8324 (Canada).

techniseal.com

FUNCTION

- 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

APPLICATIONS

- For pavers made of concrete, clay, natural stone, etc. †
- Ports and airports: taxiways, fuelling areas, parking areas, etc.
- Institutions: hotels, hospitals, public buildings, schools, etc.
- Public ways: streets, pedestrian crossings, sidewalks, parking lots, etc.
- Homes: pool decks, driveways, sidewalks, patios, etc.

DESCRIPTION

TECHNI-SEAL POLYMERIC SAND FOR PAVEMENT JOINTS is a high-tech mix of graded sand 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 work. 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, TECHNI-SEAL POLYMERIC SAND is applied dry and hardens after wetting.

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

DISTINCTIVE FEATURES

HP POLYMERIC SAND: This high-tech mix of graded sand 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 (often subject to heavy traffic and intensive cleaning), 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.

Minimum depth: 1.25".

RG POLYMERIC SAND: specially formulated for the filling of paver or slab joints on horizontal surfaces exposed to normal traffic, such as driveways, terraces, backyards, garden paths, access roads, etc.

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

Minimum depth: 1.5".

DIRECTIONS

EMPTYING THE JOINTS:

On an existing project, it will be necessary to empty the joints completely before installing new polymeric sand.

To empty the joints:

1. Use a pressure washer to blow the sand out of the joints (figure 1).

Joints must be at least 1 1/2" deep for the RG polymeric sand and 1 1/4" for the HP polymeric sand, as shown in figure 2.

2. Let joints and pavers dry completely.



Figure 1

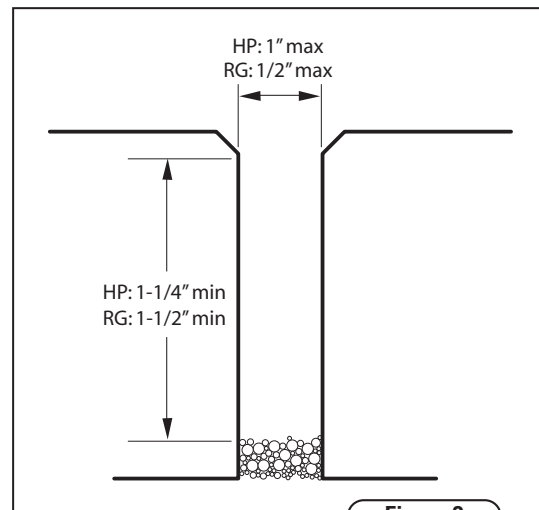


Figure 2

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.

APPLICATION:**1 Installation:**

The surface must be completely dry. Spread the product uniformly over the surface. Using a push broom (figure 3), sweep the product so as to fill the joints completely, down to their full depth. Avoid sweeping the product over long distances so that it preserves the integrity of the mix.



Figure 3

2 Compaction:

This step is essential to obtain solid, durable joints.

Pavers (a minimum of 2" thick): Pass a plate vibrator (figure 4) over the entire surface to fully firm up the joints.

Slabs or pavers less than 2" thick: If the mechanical compacting 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 paver chamfer, or at least up to 1/8" below the top of the pavers (figure 5).



Figure 4

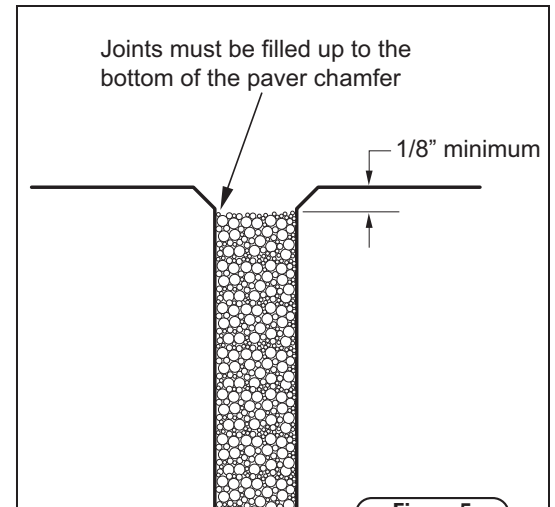


Figure 5

3 Wetting:

Important: To avoid having the product stick to the surface of the pavers or slabs, surfaces must be free of the product. Clean the surface with a fine bristle brush or, ideally, with a leaf blower (figure 6).



Figure 6

Principal: Wetting should take place in sections of 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 (figure 7) so that the water falls gently without displacing the POLYMERIC SAND.

Spraying: Moisten the whole section lightly and in a continuous manner. Avoid flooding the surface and causing a runoff. Using a small screwdriver (figure 8), verify the progress of the wetness in several areas by emptying a small portion of the POLYMERIC SAND. Once the joints are moistened for their full depth, stop watering the section and move on to the next one. Too much water would cause the binder to run off and prevent the SAND from solidifying.



Figure 7



Figure 8

Drying: To ensure optimal cohesion and long-term stability, POLYMERIC SAND must dry completely before being exposed to water. Drying time will be prolonged in cold and damp weather. 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:

- Pedestrian areas: minimum 24 hours.
- Motor vehicle areas: minimum 48 hours.

NOTE: Drying time can be considerably less in dry climates.

IMPORTANT

Do not apply to wet or damp surfaces as the activation of the binder will make TECHNI-SEAL POLYMERIC SAND stick to the surface and prevent it from flowing down into joints. Do not use if rain is forecasted. Minimal maintenance may be required in certain areas. Do not mix POLYMERIC SAND with cement or sand. Avoid excessive wetting or flooding of paved areas. 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 or stone dust).

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

Name	Product Code	Color	Retail Size	Units per pallet
HP	121-838	tan	66 lb.	56
	BU21-838	grizzly tan	66 lb.	56
	MP21-838	southern tan	66 lb.	56
	121-848	granite grey	66 lb.	56
	BU21-848	glacier grey	66 lb.	56
RG	121-738	tan	66 lb.	56
	BU21-738	grizzly tan	66 lb.	56
	MP21-738	southern tan	66 lb.	56
	121-748	granite grey	66 lb.	56
	BU21-748	glacier grey	66 lb.	56

STORAGE

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 AND EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. PROLONGED INHALATION MAY CAUSE LUNG DAMAGE AND CANCER.

Contains Portland Cement. Avoid contact with the eyes, skin and clothing. Avoid breathing 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.

Warning: This product contains crystalline silica, which is known to the State of California to cause cancer. FOR PROFESSIONAL USE ONLY.

SHIPPING**Land and Sea**

••• Not regulated

LIMITED WARRANTY: Since it has no control over surface preparation and product application, Techni-Seal can not guarantee the results. Techni-Seal's 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 and make sure that this product meets his or her needs by carrying out a test under anticipated conditions of use.