



## RG+ Polymeric Sand

for pavers



(191-637, 191-647 / 22.7 kg)

### UPDATE

**September 15, 2016**

Make sure that you have an up-to-date technical data sheet in hand by consulting our website: [techniseal.com](http://techniseal.com)

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

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

### APPLICATIONS

- General use
- For pavers made of concrete, natural stone, etc.<sup>†</sup>
- Public roads: pedestrian crossings, walkways, parking areas, etc.<sup>1</sup>
- Residential: driveways, walkways, patios, etc.<sup>1</sup>

### PROPERTIES

- Inhibits weed growth
- Deters ants and other insects
- Eliminates joint erosion – water, frost heaving, wind, power washing, etc.
- Fast-setting, water resistant 90 minutes after installation
- Stabilizes paver installations - follows movement

### DESCRIPTION

Issued from the latest generation of polymers, Techniseal® RG+ becomes water resistant quickly after activation. Designed to make joint stabilization easier than ever, RG+ Polymeric Jointing Sand 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, slabs or natural stones, or when replacing existing joints. It is ideal for surfaces exposed to light vehicular traffic, such as small commercial parking lots, driveways, terraces, backyards, garden paths, access roads, etc.<sup>1</sup>. Easy to use, RG+ is applied dry; it starts to set a few minutes after wetting, quickly becoming resistant to erosion due to water (rain, splashes, sprinklers, etc.). Once dry and polymerized, Techniseal® RG+ polymeric sand also resists insect invasion and inhibits weed growth. Remaining flexible, it follows the movements of pavers or slabs.

**Minimum joint width: 1.5 mm (1/16")**

**Maximum joint width: 2.5 cm (1")**

**Minimum joint depth: 4 cm (1.5")**

<sup>1</sup>For high-humidity areas, false or wide joints (more than 10 cm (4")), areas exposed to heavy traffic such as large commercial parking lots, crosswalks, public ways, etc. or for steep sloped surfaces or surfaces exposed to large amounts of standing water, we recommend the use of HP<sup>2</sup> Polymeric Sand (High-Performance formula).

<sup>†</sup>Use only on pavers or slabs installed over a drainage bed (sand-set).

## DIRECTIONS

**Test:** On large residential and commercial projects, test the product on approximately 4.6 m<sup>2</sup> (50 sq. ft.) and have it approved by a specifier or the customer.

**Weather conditions:** Check the weather forecast: Although RG+ can resist an unforeseen rain 90 minutes after its installation, it is recommended to plan for 24 hours without rain in order to obtain optimal performances. Temperature should remain above 0°C during the 48-hour drying period.

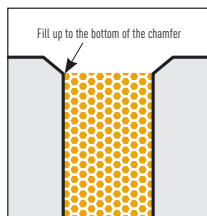
**Surface conditions:** Surface must be dry to prevent moisture from activating the polymer, which could make sand stick to the surface and stain it.

**Before you begin:** Read the safety data sheet before using this product. 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 its integrity is preserved.



### 2. Compacting the Sand:

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

Run a plate vibrator over the entire surface to fully firm up the joints.

**Note:** Check with the paver supplier about the suitability of using a plate vibrator. On textured pavers, use a rubber mat to prevent scuffing the pavers.

**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 3 mm (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 RG+ starts repelling water only a few minutes after it gets wet, it is essential to wet 20 m<sup>2</sup> (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 4 cm (1 ½") deep.

6. Immediately move on to an adjacent 20 m<sup>2</sup> (200 sq. ft.) section. **Avoid excess flooding of the surface, which could cause unwanted run-off.**

**Tip:** On textured pavers, after wetting the joints on a section, 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 all joint replacement projects, use HP<sup>2</sup> Polymeric Sand.

**Drying:** To ensure optimal cohesion and long-term stability, RG+ 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 0°C during the entire drying process (minimum 48 hours).

**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 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

22.7 Kg cover 6–11 m<sup>2</sup> (60 to 120 sq. ft.) with narrow joints, or 2.3–4 m<sup>2</sup> (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.

### 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

**USA ONLY:** If you are a contractor or industrial user, visit [techniseal.com](http://techniseal.com) to request the safety data sheet or call technical service at 1 800 465-7325.

Avoid contact with eyes, skin and clothing. **KEEP OUT OF REACH OF CHILDREN.** Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. **FIRST AID TREATMENT** Get medical attention if symptoms occur. Do not induce vomiting. If in eyes or on skin, rinse well with water. If breathed in, move person to fresh air

**EMERGENCY PHONE: CANUTEC (613) 996-6666 SEE MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT**

### SHIPPING

**Land and sea**

NOT REGULATED


## PACKAGING

Polymeric Sand	Product Code	Color	Retail Size	Units per pallet
<b>RG+</b>	191-637	Tan	22.7 Kg (50 lb.) (bag)	56
	191-647	Granite	22.7 Kg (50 lb.) (bag)	56
	ON91-637	Niagara Tan	22.7 Kg (50 lb.) (bag)	56
	ON91-647	Nordic Grey	22.7 Kg (50 lb.) (bag)	56

## 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.

## Techniseal® Polymeric sand contributes to LEED credits outlined in the table below

Polymeric Sand Contribution Criteria to LEED Credits	 Responds
<u>LEED Credits for Regional Materials:</u> Over 95% of raw materials for the manufacture of polymeric sand are extracted within a radius of 800 km or 500 miles from manufacturing plants. Polymeric sand can be delivered on any LEED construction area indicated on the map above (by land) within a radius of 800 km or 500 miles.	✓
<u>LEED Credits for Recycled Contents:</u> Tan-colored sand, contains 22% of pre-consumer recycled material Granite-colored sand, contains 18% of pre-consumer recycled material.	✓

 Polymeric sand can be delivered on any LEED construction in the yellow colored zone within a radius of 800 km or 500 miles..

 Areas soon covered by LEED certification.



**Please contact our technical department at 1-800-465-7325 to confirm that your project is within the area covered by the LEED certification.**