



Polymeric Sand for Pavement Joints

Easy to use
Stays within joints

Installation Guide



INSTALLATION



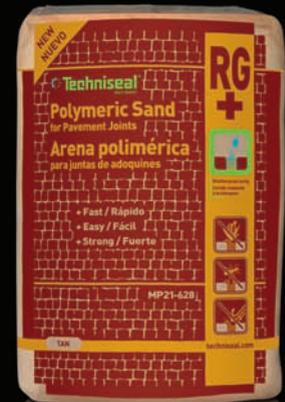
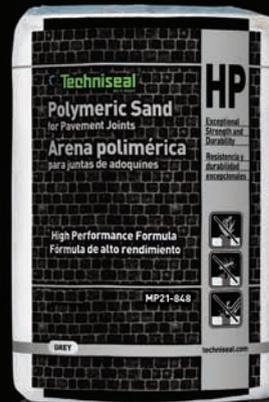
COMPACTION



WETTING



DRYING



TECHNISEAL 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.

HP POLYMERIC SAND

This **HIGH-PERFORMANCE** mix, made of the latest generation of polymers, provides unrivalled effectiveness and durability. It is specially formulated for the filling of paver and slab joints in highly-exposed areas: public ways (subject to heavy traffic and intensive cleaning), sloped driveways (subject to fast erosion due to run-off), pool decks (frequently soaked), etc. It is also recommended for the replacement of existing joints.

RG+ POLYMERIC SAND

This product, that resists weather quickly after being activated, is designed to make joint stabilization easier than ever. It is recommended for the filling of paver or slab joints on surfaces exposed to normal traffic, such as driveways, terraces, backyards, garden paths, access roads, etc.

Best of Class

- Applied dry - Hardens after being misted
- Inhibits weed growth
- Resists ants or other insect infestation
- Resists erosion - water, frost heaving, wind, power washing, etc.
- Stabilizes pavers - Strengthens interlocking

Before Beginning Installation

Choose the right TECHNISEAL POLYMERIC SAND according to paver joint size, job configuration and expected traffic.

- High-traffic areas
 - Strong sloped surfaces
 - Pool decks or other frequently soaked surfaces
 - Replacement of existing joints
 - Joint size:
Maximum width: 1.0 inch
Minimum depth: 1.25 inch
- Normal-traffic areas
 - Driveways
 - Terraces
 - Garden paths
 - New installations
 - Joint size:
Maximum width: 0.5 inch
Minimum depth: 1.5 inch

HP

RG+

How to DO IT RIGHT

To get the most out of TECHNISEAL POLYMERIC SAND, follow the 4 easy steps outlined in this guide and pay special attention to the important directions in this check list.

CHECK LIST

Steps	Checked	IMPORTANT!
 INSTALLATION	<input type="checkbox"/> <input type="checkbox"/>	Check the weather forecast: A temperature above 32°F for the full drying period and no precipitation for the next 3 hours (RG+) or 24 hours (HP). A perfectly dry surface.
 COMPACTION	<input type="checkbox"/>	Essential Step Mechanical or manual compaction is necessary.
 WETTING	<input type="checkbox"/> <input type="checkbox"/>	Remove all SAND residue with a broom and a leaf blower before misting the surface Moisten SAND joints down to 1.5 inch.
 DRYING	<input type="checkbox"/>	HP SAND must dry completely before being exposed to water (rain, splashes, etc.). RG+ SAND will resist weather about 2 hours after wetting but needs to dry completely to reach its full strength.

WARNING

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).

1 – Installation



Weather conditions:

Use the product in dry weather and when there is no rain forecasted for 3 hours (RG+ SAND) or 24 hours (HP SAND). Temperature should remain above 32°F during the entire drying process.

The surface must be completely dry.

Why? To prevent moisture from activating the polymer that could make the SAND stick to the surface and stain it.



Spread 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 product over long distances so that the integrity of the mix is preserved.

Why? Sweeping product over long distances creates a screening effect that drags most of the coarse particles while leaving behind the finer ones that contain the binders and polymers.

2 – Compaction



This step is essential to obtain solid, durable joints.

Why? COMPACTION eliminates most voids and creates perfect contact between the aggregates, binders and polymers. This ensures a dense and solid joint that lasts.

Why? With most voids eliminated, the product absorbs much less water during the wetting step and dries much faster.

The compaction method is determined by the thickness of the pavers and slabs installed.



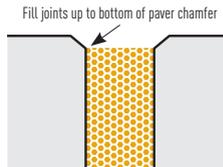
Pavers 2" thick or more:

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



Slabs or pavers less than 2" thick:

If 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 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.

3 – Wetting



Important: Sweep the surface with a fine bristle brush and remove all residues with a leaf blower.

Why? To avoid having product residue activated with water and stick to the surface of the pavers or slabs



Wetting should take place in sections of 250 (RG+) to 500 (HP) sq. ft at a time. Ensure that the wetting of one section is finished before another section is started.

Why? Wetting large surfaces all at once takes too much time; the product starts to dry on the surface and is then difficult to moisten properly. This is especially true for RG+ SAND and that's why the recommended wetting section size should be no larger than 250 sq. ft.



Produce a very fine mist so that the water falls gently without displacing the POLYMERIC SAND. Moisten the whole section lightly and in a continuous manner; avoid flooding the surface and causing runoff. Using a small screwdriver, verify the progress of the wetness in several areas by emptying a small portion of the joint. Once the joints are moistened 1.5 inch deep, stop watering the section and move on to the next one.

Why? With the right amount of water, drying time is considerably reduced.

Why? Too much water would cause the binder to run off and prevent the SAND from solidifying.



4 – Drying



To ensure optimal cohesion and long-term stability, POLYMERIC SAND must dry completely after initial wetting. Drying time will be shorter if the climate is warm and dry, and longer if the weather is cool and damp.

HP SAND: In cases where a surface jointed with HP SAND 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.

Why? Like paint, POLYMERIC SAND needs to dry completely to polymerize and provide all its benefits.

Downtime before using:

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

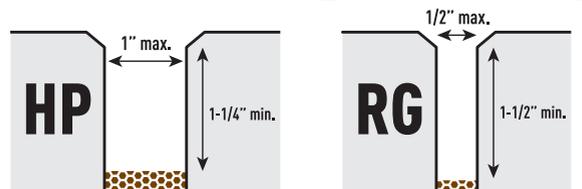
To preserve the appearance and the integrity of pavers installed with TECHNISEAL POLYMERIC SAND, it is advisable to treat the surface with a TECHNISEAL PROTECTIVE PRODUCT. Wait 30 days after installation before cleaning and sealing.

Joint Replacement

For joint replacement projects, it is necessary to first empty the joints before applying new POLYMERIC SAND.

Use a pressure washer to empty the joints completely

Why? POLYMERIC SAND performs at its best when it is at the proper depth; it then adheres to the walls of the pavers.



Minimum required depth and maximum width

 **Techniseal**[®]
DO IT RIGHT

Treatment for Pavers and Slabs Ultimate Hardscape Protection

**Beautifies
and Protects**



Before



After (WL4 - Wet look)



In 1984, TECHNISEAL introduced the first premium products engineered to clean and protect interlocking pavers. Today, we are still the leader in the field, and our "best of class" formulas are recognized around the world by major paver manufacturers.

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