



HP NextGel™ Jointing Sand

UPDATE

August 26, 2020

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 (WITH MECHANICAL COMPACTION)

- Concrete pavers, wet-cast pavers, natural stones, slabs, textured or clay pavers and porcelain tiles
- Heavy-sloped and high-traffic areas
- High-humidity areas and pool decks
- Commercial, residential, industrial and public projects
- False joints
- Concrete overlay
- For joints from 1/16" to 4", ideal for joints from 1/16" to 1" with intersecting spaces up to 2"

PROPERTIES

- No dust†
- No haze
- Fast wetting
- Optimal strength
- Deters ants and other insects
- Inhibits weed growth
- Eliminates joint erosion – water, frost heaving, wind, power washing, etc.
- Stabilizes pavers – Strengthens interlocking



Techniseal® Jointing products contribute to LEED credits, based on the use of regional and recycled materials.



When installed following instructions, HP NextGel™ is well below OSHA's respirable crystalline silica limits ("RCS") for construction material. See details on page 15 of this document.

DESCRIPTION

Techniseal® HP NextGel™ Jointing Sand is a state-of-the-art mix of graded sand and binder that flows smoothly down joints for a fast and effective installation of pavers or slabs with false, narrow or wide joints. It is also recommended for surfaces exposed to heavy traffic, for high-humidity areas and concrete overlay. Easy to use, HP NextGel™ Jointing sand starts to set only a few minutes after being activated with water, and quickly becomes resistant to water erosion (rain, splashes, sprinklers, etc.). HP NextGel™ Jointing sand is the go-to solution for all installations where mechanical compaction is done. It offers great resistance to weed growth, insect invasion, and erosion.

Techniseal® HP NextGel™ Jointing Sand is manufactured with a revolutionary technology. NextGel™ radically transforms and improves the properties and behavior of jointing sand, resulting in the first ever true “no dust”†, “no haze” and “no waste” jointing sand for a fast, clean, durable and profitable installation.

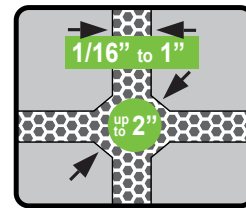
†NextGel™ contains no dust from additives. The dust that can be found is of natural source and comes exclusively from the sand. This is especially true with grey sand which is made from crushed sub-angular aggregates.

Minimum joint width: 1/16”

Maximum joint width: 4”*

Ideal joint width: from 1/16” to 1” with intersecting spaces up to 2”

Minimum joint depth: 1.5”, except for porcelain tiles**



*For joint width wider than 1”, please refer to the natural stone sections under [INSTALLATION QUICK-LINKS](#) below.

**For porcelain tile installation, please refer to dedicated section under [INSTALLATION QUICK-LINKS](#) below.

DIRECTIONS

ALWAYS TEST ON A SMALL HIDDEN AREA OF APPROXIMATELY 4 SQ. FT. TO ENSURE THAT RESULT MEETS YOUR EXPECTATIONS (SEE WARRANTY).

BEFORE YOU BEGIN

In order to ensure good cohesion and long-term resistance, jointing sand must imperatively dry completely before being exposed to rain (24 to 48 hours minimum). The drying time will be extended in cold or humid weather and for wide joints installations (wider than 1/2”). Why? Like paint, jointing sand must dry completely to polymerize and offer all its advantages. However, jointing sand will be able to withstand unexpected rain 60 minutes after installation.

INSTALLATION CONDITIONS

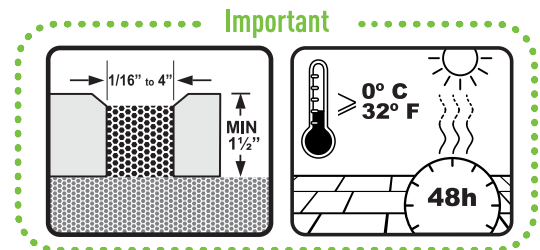
- Temperature must be above **32°F** for 48 hours following installation.
- Surface and joints must be dry.
- Sprinkler system must be turned off.

TRAFFIC

Pedestrian: Immediate / Vehicular: 48 to 72 h. Block access during that period.

COMPACTION INFORMATION

Mechanical compaction is **MANDATORY** when using HP NextGel™ Jointing Sand. Failure to do so may compromise joint integrity and performance. If joint width is greater than ¼” and mechanical compaction is either not possible or traditionally not used, please use Techniseal’s NOCO™ polymeric joint.



CAUTION

- Wear appropriate safety gear.
- Do not mix product with cement, sand or any other material.
- Ensure that joint has hardened before cleaning and sealing the surface. Depending on climate and type of installation, typical recommended wait time is a minimum of 7 days after installation and may take up to 30 days.
- Not for use on submerged or constantly wet surfaces.
- Joints become soft when humid but become hard again when dry.
- Because product comes from a natural source, color and grain size may vary.
- This product starts repelling water a few minutes after initial wetting. Make sure to complete each section per detailed installation instructions before moving to the next one.
- The use of cleaning devices (high pressure washer, etc.) is restricted during the first 30 days. It should be noted that too direct and violent jets can create alterations, so it is best to consult the machine manufacturers in order to use the specific accessories with soft jets.
- Failure to have recessed joint could lead to premature joint degradation.
- Do not sweep product over asphalt.
- Bedding layer needs to be able to drain properly in order to allow for the HP NextGel™ Jointing Sand to dry properly. Certain type of bedding or screening materials may not drain properly which will trap moisture and may cause issues.
- Proper maintenance is paramount to maintaining joints in optimal condition. Excessive moisture, shade, inadequate cleaning and maintenance, presence of soil and organic matters (including grass trimmings) left on the joints may contribute to growth of moss, mold or mildew.

IMPORTANT: Do not use this product as capping sand.

INSTALLATION QUICK-LINKS

[Installation on a Draining Base with Pavers](#) (see page 3)

[Installation on a Draining Base with Natural Stone and Slabs](#) (see page 5)

[Installation on a Draining Base with Porcelain Tiles](#) (see page 7)

[Installation on Concrete Overlay with Pavers, Natural Stone and Slabs](#) (see page 9)

[Installation on Concrete Overlay with Porcelain Tiles](#) (see page 11)

INSTALLATION ON A DRAINING BASE WITH PAVERS (INCLUDING FALSE JOINTS) (JOINT WIDTH FROM 1/16" TO 1/2")

The hardscape products should be installed following the manufacturer's recommendation. For **pavers**, ICPI Technical Specification Spec #2 (www.icpi.org) should be used.

NECESSARY TOOLS

- Street broom with semi-rigid bristles.
- Plate compactor or Paver roller.
Plate compactor such as Multiquip's Mikasa MVB series, Wacker Neuson's VP and WP series, Toro's FP series are examples of models that can be used to ensure proper mechanical compaction. Use of a teflon coated plate or paving pad is important to help protect the surface.
Plate compactor – Ideally, the plate compactor should have a minimum centrifugal force of 25 kN (5,000 lbf) and a frequency between 80 and 100 Hz. The weight of the plate compactor should not exceed 100 kg (220 lb). A smaller machine can be used for repair work and joint replacement.
Paver roller such as Weber MT's VPR 450 & VPR 700, EZG's EVPC120, ESI's EVPC120H are examples of models that can be used to ensure proper mechanical compaction. Use of rubber-coated or nylon rollers is important to help protect the surface.
- Hand tamper may be needed in restricted areas where using heavier equipment may not be possible.
- Leaf blower.
- Spray nozzle and garden hose.