UPDATE

June 12, 2018
Make sure that you have an up-to-date technical data sheet in hand by consulting our website: techniseal.com

Canada and U.S.A.: dial 1 800 465-7325
Others: dial (514) 523-8324 (Canada)

APPLICATIONS

• For paver joints from 1.5 mm to 1.3 cm (1/16" to 1/2")
• Light vehicular traffic areas such as small commercial parking lots, driveways, etc.
• Normal to heavy pedestrian areas such as parks, walkways, terraces, patios, etc.
• Areas with normal rainwater exposure

PROPERTIES

• Water resistant after 90 minutes
• For surfaces exposed to normal traffic
• Inhibits weed growth
• Deters ants and other insects
• Eliminates joint erosion caused by rain, power washing, frost heaving and wind
• Stabilizes pavers - follows movement
• Applied dry - becomes permanent after being activated with water

DESCRIPTION

Smart Sand CUBE Polymeric Sand is a state-of-the-art mix of graded sand (ASTM-C144) and binder that flows smoothly down joints for a fast and effective installation of pavers or slabs on surfaces exposed to normal traffic. Easy to use, Smart Sand CUBE Polymeric Sand starts to set only a few minutes after being activated with water, and quickly becomes resistant to water erosion [rain, splashes, sprinklers, etc.]. Smart Sand CUBE Polymeric Sand offers great resistance to weed growth, insect invasion and erosion.

Wait 30 days after installation of Polymeric Sand before cleaning and sealing. On new pavers, wait 60 days before using an acidic cleaner and a protector on the surface. To preserve, beautify or restore the appearance of pavers installed with Smart Sand CUBE Polymeric Sand, use treatment products for pavers and slabs.

Minimum width: 1.5 mm (1/16")
Maximum width: 1.3 cm (1/2 po)
Joint depth: 4 cm (1.5")
DIRECTIONS

• Always test product on a small inconspicuous area (approx. 0.4 m² [4 sq. ft.]), to ensure the results and colour will meet your expectations. • Because product comes from a natural source, colour and grain size may vary. • Use product on a dry surface and joints. • Do not mix product with cement, sand or any other material. • Not for use on submerged or constantly wet surfaces. • Use only on pavers installed over a drainage base and bed (sand-set) as per ICPI recommendations. • Product must dry at least 90 minutes before being exposed to water. Protect it with a tarp if necessary. • This product starts repelling water only a few minutes after initial wetting. Wet no more than 20 m² (200 sq. ft.) of surface at a time. • Do not use this product as capping sand. Minimum joint depth is 4 cm (1½”). • If the application procedure is NOT followed properly, a light haze may be left on the surface, which can be easily removed. To avoid this unnecessary and costly secondary step, please follow these instructions precisely. • Avoid sweeping the product over long distances, to preserve the integrity of the mix.

Weather conditions: Check the weather forecast: Although Smart Sand CUBE 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.

1. Installation:
   Surface must be completely dry. Spread Smart Sand CUBE Polymeric 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 the integrity of polymeric joint is preserved.

2. Compaction:
   This step is essential to obtain solid, durable joints.
   Pass a plate vibrator over the entire surface to fully firm up the joints. 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:
   Important: Sweep the surface with a fine bristle brush and remove all residue with a leaf blower. It 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 Smart Sand CUBE Polymeric Sand starts repelling water only a few minutes after it gets wet, it is essential to wet 20 m² (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. Define a 20 m² (200 sq. ft.) section. 2. Set the spray nozzle to “shower”. 3. Start showering from the bottom of the slope. 4. Wet the section for 30 seconds without displacing the sand. 5. Wait a few seconds and wet the same section again for 30 more seconds to wet the joints completely. In very hot conditions (above 30°C), wet a third time for 30 seconds. 6. Move on to an adjacent 20 m² (200 sq. ft.) section immediately. 7. As soon as wetting is completed on a 93 m² (1000 sq. ft.) section, use a leaf blower to quickly blow the excess water off the surface. This will remove any remaining sand and polymer residue.
   Caution: foaming and run-off on the surface are caused by excessive watering; adjust spraying accordingly.

Drying:
Smart Sand CUBE Polymeric Sand will become water resistant after 90 minutes* and should not be exposed to rain within that period.
To ensure optimal cohesion and long-term stability, Smart Sand CUBE Polymeric Sand 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.

**Down time 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 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 start Smart Sand CUBE Polymeric Sand installation if rain is forecasted for the next 90 minutes. 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**
- 18 kg: Narrow joints: 4.8 to 5.5 m² (50 to 60 sq. ft.) Wide joints: 1.8 to 3.2 m² (20 to 35 sq. ft.).

**STORAGE**
Store product in a dry place in its original packaging.

**PACKAGING**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Color</th>
<th>Retail Size</th>
<th>Units per pallet</th>
<th>Box by Row</th>
</tr>
</thead>
<tbody>
<tr>
<td>40101029 [141-635]</td>
<td>Tan</td>
<td>18 Kg [bag]</td>
<td>60</td>
<td>20</td>
</tr>
<tr>
<td>40101028 [141-645]</td>
<td>Granite</td>
<td>18 Kg [bag]</td>
<td>60</td>
<td>20</td>
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</tbody>
</table>

**WARNING**
USA ONLY: If you are a contractor or industrial user, visit 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

**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 buyer’s sole remedy under this warranty. 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. 0.4 m² [4 sq. ft.]) under projected conditions of use. In the event that no test was carried out, the warranty will only apply to 0.4 m² [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 any implied warranty of fitness of goods for any particular purpose.
Techniseal® Polymeric sand contributes to LEED credits outlined in the table below

<table>
<thead>
<tr>
<th>Polymeric Sand Contribution Criteria to LEED Credits</th>
<th>Responds</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEED Credits for Regional Materials:</td>
<td>✔️</td>
</tr>
<tr>
<td>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.</td>
<td>✔️</td>
</tr>
</tbody>
</table>

| LEED Credits for Recycled Contents:                 | ✔️       |
| Tan-colored sand, contains 22% 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.