Superior Strength Polymeric Sand
Regular & X-Treme Wide Joint

Joint Stabilization — TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Regular & X-Treme Wide Joint PolySweep Polymeric Sand (referred to as **PolySweep** unless otherwise noted) are designed to keep sand in the joints by creating a semi-solid joint. PolySweep is a blend of native sands conforming to the **ASTM C-144 standard,** and polymer binders that once activated allow the joints to expand and contract with the elements such as extreme heat/cold and freeze/thaw cycles. Hardened sand joints will help to prevent sand erosion by rain and other water run-off, lessen weed growth, deter insect infestation and reduce overall pavement maintenance. Specially formulated with **Clear Set Technology®** which uses the highest quality, clearest synthetic polymers, PolySweep will not discolor the surface or leave behind a haze.

FEATURES	BENEFITS
Clear Set Technology	• Haze Free Performance
Superior Strength, Long Lasting Durability	• Long Term Semi-Solid Joint • Resists Cracking • Lessens Weed Growth and Deters Insects
Stronger Set Up	• Tested & proven to have superior cohesion & adhesion performance on initial set up and after full cure
RCS Safe	• RCS (Respirable Crystalline Silica) level is below reportable limits under normal use as demonstrated by certified lab testing

SUITABLE APPLICATIONS:

- New or Existing Residential and Commercial Projects: Driveways, Walkways, Patios, Pool Decks and Concrete Overlays
- Substrates: Concrete, Clay & Wet Cast Pavers, Natural Stone and Porcelain Tile
- Do not use on vertical applications or as a substitute for mortar

AVAILABLE COLORS:



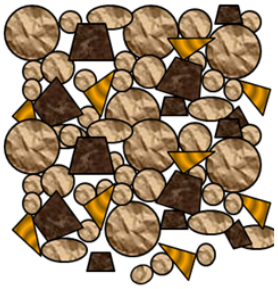
Pearl is not available in X-Treme Wide Joint. Color availability may vary by region. Color may vary due to the nature of aggregates and moisture content. This image is a representation of the available colors and a sample can be requested if needed.

IMPORTANCE OF ASTM C144 SAND:

PolySweep is a blend of polymer binders and native sands that conform to the **ASTM C-144 standard**. ASTM C-144 is a specific gradation of fractured angular sand particles of different sizes. This type of sand will create the necessary structure in the joint that will interlock the system together once the polymers are activated with water and the curing process is complete.

ASTM C144

- **Fractured & Angular**
- **Different Size Particles**
- **Ideal for Segmental Systems**



POLYSWEEP ESTIMATED COVERAGE PER 50 LB. BAG:

JOINT SIZE	AREA IN SQ FT
Up to 1/4”	50 - 75
1/4” - 1/2”	25 - 50
1/2” - 3/4”	15 - 25

Coverage will vary depending on shape, size & depth of pavers installed. Use in joints up to 3/4”.

X-TREME WIDE JOINT ESTIMATED COVERAGE PER 50 LB. BAG:

PAVER TYPE	JOINT SIZE	AREA IN SQ FT
Standard	Up to 1/4”	50 - 75
Standard	1/4” - 1/2”	25 - 50
Standard	1/4” - 1/2”	15 - 25
Natural Stone	Up to 2”	15 - 25
Natural Stone	2” - 4”	25 - 35

Coverage will vary depending on shape, size & depth of pavers installed. Use in joints up to 4”.

INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE

- PolySweep is designed to work best when following ICPI recommended best practices for base installation. Concrete pavers, slabs and natural stone should have ¾" modified stone base and concrete sand setting bed that conforms to ASTM-C33. See ICPI's **Tech Spec 2** and **Tech Spec 10**.
- On open graded base systems, the stone used in the bedding layer should be a small enough gradation to choke out the base layer. Some PolySweep may migrate in to the bedding layer.
- Minimum depth required when installing PolySweep is 1.5" and X-Treme Wide Joint is 1.25"
- **Do not apply this product to a wet or damp surface** because the polymeric sand will adhere to the surface and is difficult to remove.
- **CONCRETE OVERLAYS:** When using PolySweep on concrete overlays (pavers/stones installed directly on concrete), a minimum of 1% slope to the concrete and a 1" layer of bedding sand on top of concrete is required. Do not allow water to be trapped in the system. Any water that enters the surface of concrete overlay applications must be allowed to escape the sand setting bed at the outside perimeter of the project. If pavers or stone are set directly on top of the concrete, drill 1" drainage holes **thru** the concrete with a coverage rate of 1 hole/sq. ft. Fill holes with open graded gravel and covered with geotextile (to keep polymeric sand from migrating into the holes). Drainage channels in lieu of holes in the concrete can also be installed. See ICPI for installation details. Do not mix or dilute polymeric sand with any other product.
- For optimal joint performance, during the water activation process the entire sand joint must be fully saturated.

Click here or Scan QR code to watch installation videos.

INSTALLATION CONDITIONS:

- Prior to installation of Polysweep, make sure pavement joints and surface are completely dry AND there is no rain forecasted for at least **12 hours** after installation. Polysweep needs to surpass the set up threshold before getting rained on. If there is a possibility of rain shortly after installation, cover project with a tarp. Remove tarp as soon as threat of rain is gone. Covering with a tarp will extend curing time.
- PolySweep should be installed when the average ambient air temperature is above 35 degrees for a minimum of 48 hours after installation.
- Do not install in rain and turn off irrigation systems.
- Always wear personal protection equipment: eyewear and respirator.

SURFACE PREPARATION:

- Sweep or blow off the surface. Perform spot and overall cleaning before beginning installation. Let surface completely dry.

INSTALLATION INSTRUCTIONS:

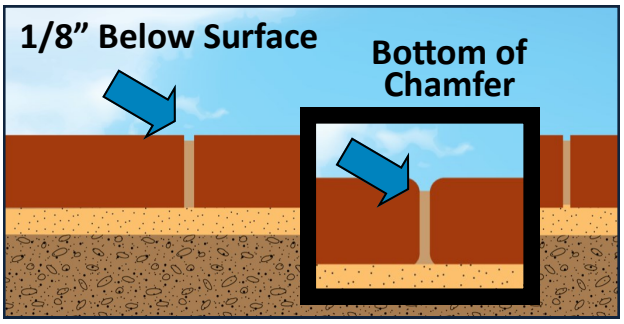
FIVE STEPS TO INSTALL:

1. Distribute PolySweep evenly across surface.
2. Sweep sand into joints until full. Do not push sand over surface for long distances. Minimum depth required when using PolySweep is 1.5" and 1.25" when using X-Treme Wide Joint. After joints are filled, sweep excess product from the surface.
3. ***For Pavers:*** To consolidate sand into joints, run vibratory compactor over the pavement.

   For Porcelain or Natural Stone: Use a vibratory roller or a rubber hammer and piece of wood. (Do not compact if porcelain manufacturer advises against it.)

****Add additional sand into the joints if necessary. Repeat compaction. Do not overfill joints. Sand should be 1/8" below pavement surface or chamfer****

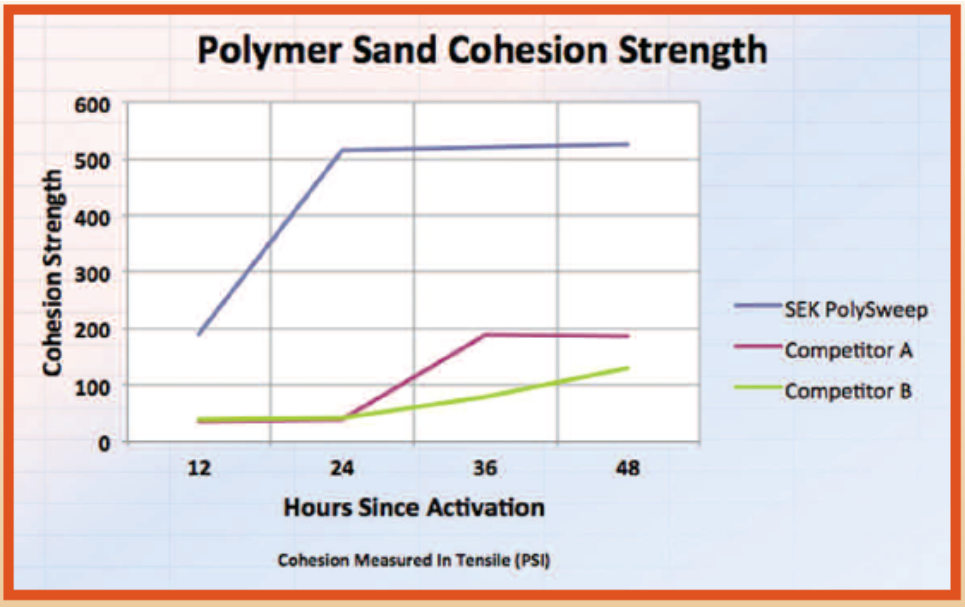
Proper Sand Height:



4. After joints are filled, sweep surface to remove excess product, then use a leaf blower held on a slight angle but close to parallel to the surface to remove any residual sand/dust from pavement. Take care not to remove any sand from the joints.
5. Using a water hose with nozzle on shower setting, gently mist the pavement no greater than 500 sf at a time. Allow water to absorb into joint for approximately 5 minutes. Repeat misting process 3, up to 4 times, gradually increasing volume of water each time. Do not apply too much water too fast as to flood the pavement or erode sand from paver joints. Weather and site conditions will determine the number of waterings needed to saturate the full joint depth. For optimal joint performance, the entire sand joint must be fully saturated. The last watering should be a volume of water sufficient enough to rinse off any residual material from the surface. Any residual water caught in the texture of the pavement surface should be blown off with a leaf blower.

CURING:

Initial set up is achieved when the polymeric sand has surpassed a cohesion threshold that will not allow heavy rain or strong wind to move it out of the joint. PolySweep has completely cured when the sand has dried and the joint is hard. The curing process is dependent on temperature and humidity level and could take up to 24 hours or longer. Cool, damp and overcast conditions may increase set up and curing time.



COHESION: PolySweep achieves superior cohesion versus the competition by a factor of 6 (180 vs 30 psi) within 12 hours of activation. PolySweep maintains superior cohesion performance at 24, 36 and 48 after hours after activation.

ADHESION: PolySweep outperforms the competition in its adhesion characteristics. Testing demonstrated that PolySweep has a superior ability versus the competition to adhere to pavers and natural stone which will result in a longer lasting, more stable joint.

SET UP: Set up is achieved when the polymeric sand has surpassed a cohesion threshold that will not allow heavy rain or strong wind to move it out of the joint. Don't be fooled when assessing Set Up. Harder is not an indication of good set up, cohesion is an indicator of good set up. PolySweep outperforms the competition in Set Up.

CLEAN UP:

- Remove any excess dry PolySweep from surface before water activation
- Clean, excess PolySweep can used on your next project. Remove from surface and store in original packaging in a cool, dry location.
- To remove any excess PolySweep that cured on the surface, use a plastic putty knife to scrape off as much sand as possible. Apply boiling water and agitate with a stiff bristle brush or use a hot water pressure washer to carefully remove sand and polymer from the surface. If needed, use SureStrip to chemically remove the sand and polymers. Contact SEK-Surebond for more information. 800-932-3343

PACKAGING:

50 lb bag, 56 bags per pallet

SHELF LIFE:

24 Months

STORAGE:

Store in a cool, dry location. Keep below 90° F.

The plastic bag is resistant to moisture. However, care must be taken to protect packaging from puncture and long term exposure to constant moisture and ultra violet light.

Full pallets can be stored outside in original packing (plastic shipping hoodie still intact). If pallet is opened, store inside or outside under a tarp.

DISPOSAL:

Dispose of in accordance with all applicable laws and regulations.

PRECAUTIONARY INFORMATION:

KEEP OUT OF REACH OF CHILDREN • Obtain special instructions before use • Do not handle until all safety precautions have been read and understood • Wash any exposed body parts • Wear protective gloves/ protective clothing/eye protection/face protection

EMERGENCY & FIRST AID MEASURES:

IF EXPOSED OR CONCERNED: Get medical advice/attention. **IF ON SKIN:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

PLEASE CONSULT SAFETY DATA SHEET FOR MORE INFORMATION.

SUPPLEMENTAL INFORMATION:

Respirable Crystalline Silica (RCS) may cause cancer. PolySweep contains varying quantities of quartz (crystalline silica). In its natural bulk state, the sand and gravel in PolySweep is not a known health hazard. PolySweep may be subjected to various natural or mechanical forces that produce small particles (dust) which may contain Respirable Crystalline Silica (particles less than 10 micrometers in aerodynamic diameter). Repeated inhalation of Respirable Crystalline Silica (quartz) may cause lung cancer according to IARC and NTP; ACGIH states that it is a suspected cause of cancer. Other forms of RCS (e.g. tridymite and cristobalite) may also be present or formed under certain industrial processes.

WARRANTY:

SEK-Surebond warrants its products to substantially conform to its published specifications at the time of purchase. The foregoing is the sole limited warranty applicable to the products. **SEK-SUREBOND HEREBY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OTHER THAN THE WARRANTY SET FORTH ABOVE.** The user is solely responsible for determining suitability of the products for their particular use. While the actual application of this product is out of the control of SEK-Surebond, it is recommended that the application guidelines be followed completely and accurately. SEK-Surebond's liability for any damage shall not exceed the purchase price of the product used, and it shall have no liability for consequential, incidental or punitive damages.