



# ENVIROBOND

## ENVIROSAND TECHNICAL DATA INFORMATION



# EnviroSAND Technical Data Sheet

**EnviroSAND** is scientifically designed for paving stone applications and is ideal for joints up to 3/8" wide.

**EnviroSAND** is made from 100% naturally occurring materials. Envirobond's plant-based glue is activated by water to form an adhesive gel, bonding the particles together. The material stays in place, allowing it to resist erosion and eliminate nuisance weed growth. The patented plant glue also allows the material to self-heal, preventing cracking with inevitable paver movement.



## Applications

- For the joints of segmental paving systems
- These include pavers and slabs made from concrete, natural stone, etc.
- Minimum Joint Width: 1/8"
- Maximum Joint Width: 3/8"
- Joint Depth: Full thickness of paver/slab
- Areas with normal rainfall exposure and proper drainage
- Light vehicular traffic such as driveways, light vehicle parking lots, etc.
- Pedestrian traffic such as walkways, patios, etc.
- Existing patios, driveways, and walkways

## Product Features

- No poly haze
- Can be installed before rain
- Can be topped up
- Easy to lift and re-lay
- Made from 100% naturally occurring materials
- Controls wind and rainfall erosion
- Self-healing and flexible
- Inhibits weeds and insect infestations
- Meets ASTM C-144 gradation guidelines for jointing sand

## Coverage

Typical Coverage Rates for One 25kg Bag of **EnviroSAND**:

20-40sqft - Wide joint (3/8 inch), 31/8 inch (80mm) paver

40-60sqft - Wide joint (3/8 inch), 23/8 inch (60mm) paver

60-80sqft - Mid wide joint (1/4 inch), 23/8 inch (60mm) paver

80-100sqft - Narrow joint (1/8 inch), 23/8 inch (60mm) paver

120-160sqft - Wide joint (3/8 inch) 2 inch (50mm) slab/flagstone

160-200sqft - Mid wide joint (1/4 inch) 2 inch (50mm) slab/flagstone

200-240sqft - Narrow joint (1/8 inch) 2 inch (50mm) slab/flagstone

## Installation Instructions



**1 Pour**  
Pour the material evenly over a centralized area on the surface of the segmental system. The contents of 1 bag should be swept within a 50-70 sqft area



**2 Sweep**  
Sweep in at a 45 degree angle. Fill joints to the bottom of the chamfer or 1/8" below the paver surface. Avoid sweeping over large distances, doing so risks particle segregation. Push broom in a downward pounding motion to clean off excess sand and ensure the joints have not been over-filled



**3 Compact**  
Compact the surface with a vibrating plate tamper to ensure joint fill. Top up material as needed after compaction.



**4 Blow**  
Blow off surface dust with leaf blower or equivalent. Avoid pointing the leaf blower directly into the joints to prevent surface staining

## 2 Stage Watering System

### Step 1: Light Mist

Apply a light mist to saturate the joints. When pooling of water occurs, the top layer is saturated. This will lock the joint in place. Don't let the surface dry before moving to step 2.



### Step 2: Heavy Spray

Apply a heavier spray to clean the paver surface. Continue applying the heavy spray until the surface water runs clear.

## Maintenance

If joint damage occurs, remove any contaminated material (i.e. soil, debris, etc.) and top up the joint with new material. If more than 50% of the joint depth requires additional material, a vibrating plate tamper should be used to compact the material. Follow the same watering procedure as described in the installation procedure.

If the segmental system needs maintenance (due to ground settling, damaged pavers, etc.), saturate the joint material with water to reactivate the Organic-Lock™. Lift the pavers and install new Envirobond. Adjust/replace the pavers and install new Envirobond material where needed using the standard installation procedure.

## Storage

**EnviroSAND** must be stored in a dry place. If any moisture is discovered inside a bag, discard the material. Bags may be stored outside if kept off the ground and covered with a pallet hood cover or tarpaulin. For extended storage, the bags should be protected from U.V. radiation to prevent degradation of the bags.

## Safety

---

**WARNING:** Causes eye and skin irritation. Contains material that may cause target organ damage, based on animal data. **CANCER HAZARD:** Contains material which can cause cancer. Avoid contact with eyes, skin and clothing. Do not breathe dust. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.** Wear appropriate safety equipment.

**FIRST AID:** Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. Skin contact: Wash thoroughly with soap and water for 20 minutes and clean any exposed clothing before reuse. **FOR MORE INFORMATION, CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS)**

## Manufacturers Warranty

---

Limited Warranty. A proof of purchase, in the form of a receipt or equivalent, will be required for any claim. Manufacturer requests the date and batch number located on the side gusset of the bag. Manufacturer does not guarantee finished work as many elements are out of the manufacturers control. Manufacturer will replace defective product only, in the case of a 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 area (approx. 4 sq. ft.) under projected conditions of use. In the event that no test was carried out, the warranty will not be valid. 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.



[www.envirobond.com](http://www.envirobond.com)