

COLORTEC PS

Polymeric Sand for Pavement Joints

Description:

COLORTEC PS is a unique mixture of high-quality polymer binders and graded sand, available in slate Grey and off-white color. Once this product sets, it becomes very firm and locks between joints. This firm bond maintains concrete pavers, slabs or patio stones securely in-place, and is equally as effective on horizontal surfaces as on sloped surfaces. It is recommended for application in a variety of uses including pool decks, footpaths, driveways, parking spaces, pavements etc.,

Uses:

COLORTEC PS is recommended to be used in variety of areas including:

- Normal and high traffic areas
- Around Pools, pavers and patio stones
- Terraces, walkways and driveways
- Parking spaces, pavements

Advantages:

- Superior strength, creates a long term, tight joint
- Gradation of sand as per ASTM C-144 which allows to use even in tight joints
- Can be used for overlay, traditional, residential and commercial applications
- Starts to set as soon as water is sprayed on.
- Does not haze paving stones
- Can be used for joints up to 5 cm wide.
- Inhibits weed growth and deters insects
- Prevents erosion due to wind, rain, and freeze-thaw cycles.
- Stabilizes pavers and strengthens interlocking

Instructions for Use:

Surface Preparation:

All paver surfaces must be clean, sound, compact, free from dust, traces of oil, grease and should be 100% dry in order to prevent moisture from activating the polymer which could make sand stick to the surface and stain it.

Application:

New Job:

1. **Sweep Sand into Joint:** Ensure that the side and top surfaces of each paver are dry before applying

COLORTEC PS. Spread the sand over the pavers then use a hard-bristle brush to sweep the sand into the

joints, and fill them completely. Run a vibrating-plate compactor over the pavers in several different directions, in order to compact the sand inside the joints (this action is not appropriate for slabs). Repeat this triple-step action (spreading the sand, sweeping into joints, compacting) at least twice. If a vibrating-plate compactor cannot be used, stamp the stones with a rubber mallet to ensure that the sand is densely packing into the joints.

2. **Remove Excess Sand with Leaf-Blower:** Using a leaf-blower, remove any excess sand from the paver stones. Ensure that the finished sand level is at least 3 mm lower than the chamfer of the pavers.
3. **Shower the Sand:** At a height of 1.2 m, wet a specific paver for 10 to 15 seconds. Wait 3 to 4 minutes (no longer). Paver must remain wet. Do not allow the area to dry before the second application of water (see Step 6 below). Watering must be started at the lowest point of the paved surface.
4. **Shower and Rise Pavers:** Shower and rinse simultaneously as to eliminate any sand residue left on the pavers. Any residue should be directed into the paver joints. Wait 3 to 4 minutes (no longer). Repeat this step. Stop showering when a minimal amount of water is retained on the paver joints. Usually, a total of 3 times of watering is recommended.
5. **Blow-Off Remaining Water on Surface:** Use a leaf-blower to remove any excess surface water lying on paver pores and crevices. This blowing action is necessary to help remove any remaining COLORTEC PS residue left on paver surface from previous steps.

NOTE:

- a. The water used in Steps 5, 6 and 7 will activate a bonding action and also condense the sand in the joints, if these Steps are not completed properly, a white haze may appear on paver surfaces after installation. This is due to excess COLORTEC PS left on pavers. The haze will dissipate over time, but it can also be removed using Concrete Cleaner.

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- b. When applied on clay pavers make sure that it is 100% dry. Clay pavers tend to hold moisture, which can prematurely activate the polymer in the mix while the sand is being spread over the paver surface, leaving sand residue or polymer sticking on the surface.

Existing Job:

1. Using a pressure-washer, remove all existing joint filling material, from the top of the pavers to the bottom. Be careful to not disturb the bedding mix under the pavers.
2. Follow Steps 1 through 5 of the Procedures for "New Job".

TECHNICAL PROPERTIES	
Appearance	Powder
Adhesion strength (EN 1348)	1.4 n/MM ²
Water absorptions	4.30%

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

Quantity required depends on the shape and size of paving area, as well as, the width and depth of the joints. As a general guide, 25 kg bags would cover:

	Narrow Joints (m ²)	Wide Joints (m ²)
25 kg	6.5-8.5	2.2-4.5

Joint size:

Minimum joint width	0.25 inch
Maximum joint width	1.5 inches
Minimum joint depth	1.5 inches

Packaging:

The product is supplied in 25kg paper bags.

Storage Conditions:

Store in dry covered place and in its original packing away from direct sunlight.

Shelf Life:

COLORTEC PS can be utilized within 12 months from date of production when stored as per above recommendation.

Cleaning:

Clean tools and equipment with water before material hardens. Hardened materials can only be removed mechanically.

Recommendations:

- Do not apply on wet or damp surfaces. Bonding action will cause COLORTEC PS to stick on the surface instead of properly sliding into the joints.
- Do not use if rain is expected within 1 hour.
- Avoid excessive watering of paved surfaces.
- Do not apply when pavers are installed directly on aggregate with large voids.
- When installing pavers around an underground pool, a slope of 1% away from the pool is required.
- All paver surfaces must present a drainage slope for COLORTEC PS to work optimally.
- For the pool coping units, it is mandatory to use mortar in the joints. For the rest of the paver around the pool, COLORTEC PS can be used,
- Never use COLORTEC PS when pavers are installed on a concrete slab or asphalt
- Do not mix COLORTEC PS with cement or sand
- Not for use on submerged or constantly wet surfaces

Health & Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapor or spray mist.

FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to COLORTEC PS Material Safety Data Sheet

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