

MONNELI NEOFIL PS

Polymeric Sand for Pavement Joints

Product Description

A unique mixture of high quality polymer binders and calibrated sand specially formulated to allow the pavement joints to expand and contract with the environmental elements such extreme heat, cold and freeze/thaw cycles.

Once NEOFIL PS sets, it becomes very firm and serves as a lock between the paver joints. This firm bond maintains paves securely in place and can be effective on both horizontal and sloped surfaces.

Uses

NEOFIL PS can be used as replacement of existing joints and is recommended in variety of areas including the following:

- Normal and high traffic areas
- Strong slope surfaces
- Pool sides or other frequently soaked surfaces
- Terraces and patios
- Walkways and driveways
- Parking spaces
- Pavements

Advantages

- Superior strength, creates a long term, semi-solid joint
- Inhibits weed growth and deters insects
- Prevents sand erosion caused by rain and other water run-off
- Fast setting. Starts to set as soon as water is sprayed
- 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, mould release agent, curing compound and substances in order to prevent moisture from activating the polymer which could make sand stick to the surface and stain it.

Application

Spread NEOFIL PS uniformly over the surface. Using a push broom, sweep the product so as to fill the joints completely down to their full depth.

Make sure to avoid sweeping the product over long distances so that the integrity of polymeric joint is preserved.

Run a plate vibrator over the entire surface to fully firm up the joints. (It is necessary to check from the supplier about the suitability of applying a plate vibrator). On textural pavers, use a rubber mat to prevent scuffing the pavers.

Before wetting the surface, it is necessary to remove all excess sand with a leaf blower. All surfaces must be free of the product. This will avoid having product residue activated with water and stick to the surface of the pavers or slabs.

NEOFIL PS starts to repel water immediately after it gets wet. Ensure to wet maximum 200 sq. ft. of surface at a time. (Wetting large surfaces all at once takes too much time, NEOFIL PS will start to dry on the surface and will then be difficult to moisten properly). Ensure that the wetting of one section is finished before another section is started. Wetting of the entire project should be done without interruptions.

Set the spray nozzle to “shower” and start showering from the bottom of the slope. Wet each section for approximately 30 seconds without dispatching the sand. Wet again the same section after approximately 30 seconds to make sure joints are completely wet.

Verify the progress of the wetness in the section using a small screw driver. The objective is to get joints wet 1 ½ inches deep. Immediately move on to an adjacent 200 sq. ft. section and repeat carefully the above procedure. Avoid flooding of the surface which could potentially cause unwanted water run-off.

NEOFIL PS will become water resistant after 90 minutes and should not be exposed to rain within the specified period. To ensure optimal cohesion and long term stability, the product must be dried completely after initial wetting. Drying time will be shorter if the climate is warm and dry and longer if the weather is cool and damp. In cases where a surface jointed with NEOFIL PS could be exposed to water during the drying period, protect it with a tarp and immediately remove the tarp as soon as the risk of exposure is past. Temperature should remain above 32F during the entire drying process (minimum 48 hours).

Recommendations

- Never apply NEOFIL PS to wet or damp surfaces since the bonding action will cause the product to stick to the surface instead of sliding properly into the joints
- Do not use if rain is expected within 1 hour
- Do not mix NEOFIL PS with cement or sand
- Not for use on submerged or constantly wet surfaces
- Do not use as a substitute for mortar (ex. Paving stones installed over a concrete bedding)

Coverage

	Narrow Joints (m ²)	Wide Joints (m ²)
25 Kg	6.61 – 8.16	2.20 – 4.27

Packaging

The product is supplied in 25kg paper bags.

Technical Data

Properties	Results
Appearance	Powder
Adhesion strength (EN 1348)	1.40 N / mm ²
Water absorptions	4.30%

All values are subject to 5-10 % tolerance

Joint Size

	Narrow Joints (m ²)	Wide Joints (m ²)
Maximum width	0.5 inch	1.0 inch
Minimum depth	1.5 inch	1.25 inch

Quantity required depends on the shape and size of paving area, the concrete pavers as well as the width of the joints.

Storage

Store in dry covered place and in original closed bags. Shelf life is 12 months from production date if stored as recommended.

Health & Safety

NEOFIL PS can be harmful to skin as it contains cement powders which may releases alkalis when mixed with water. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately. Do not induce vomiting.

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