

TECHNICAL DATA SHEET

FLOORTEK PF

Stone Carpet Binder

PRODUCT DESCRIPTION:

FLOORTEK PF is a two-component stone carpet binder specifically crafted for both indoor and outdoor applications. It is used for enhancing indoor and outdoor spaces, creating striking pebble walkways, patios, landscaped areas, leisure theme parks, etc. When the binder is thoroughly mixed with the pebbles, it results in a sleek and aesthetically pleasing surface. FLOORTEK PF is a transparent, colorless crosslinking liquid binder, ensuring that the beauty of the area shines through.

CUSTOMER BENEFITS:

- Low viscosity
- Create beautiful pebble surfaces
- Wide-ranging design possibilities
- Safe, slip-resistant
- Easy application
- UV stable with ultra-clear finish
- Blended mixture trowels easily
- Environmentally safe

RECOMMENDED FOR:

- Patios
- Walkways
- Commercial spaces
- Showroom
- Leisure and recreational spaces

INSTRUCTIONS FOR USE:

SURFACE PREPARATION

All materials must be clean and dry. Clean the substrate and remove all loose particles.

MIXING

Add the Part B (catalyst) to Part A (base) and mix thoroughly until uniform. Mix the stones and the binder mixture using a forced circulation mixer for large quantities. For small quantities, it can be mixed by hand in a container for 2-3 minutes. The mixture can be poured onto the cleaned area and level the surface using a trowel.

APPLICATION CONSIDERATIONS

The construction should be carried out under good weather conditions. All processes must be operated continuously. The entire operation time should not exceed the pot life of 1-2 hours.

Note: *The pot life was determined in normal conditions (26-28°C). Higher temperatures can reduce the pot life of the mixed material.*

Use PPE when performing Polyurethane operations. Drying time is 5-6 hours. Foot traffic is allowed after 1 day of curing.

MAINTENANCE

Rinse regularly with a high-pressure water gun (3-5 MPa), or use compressed air to flush pores to remove plugs. Vacuum pumps could also be used to suck out debris that can block the pores.

The mechanical properties and durability can fully meet the non-motorized lanes and light traffic roads such as city sidewalks and bicycle lanes.

DOSAGE

FLOORTEK PF 2-5% by weight of stones.

Note: *Consumption of material may increase depending on the size of the stones. The smaller the size of the stone the higher the binder.*

SPECIFICATION / DOSAGE / THICKNESS

Size of aggregates	Adhesive % by weight	Recommended thickness
3-5 mm	5%	5 mm
4-6 mm	4%	10 mm
6-10 mm	4%	10 mm

COVERAGE (sqm) per 1 kg of FLOORTEK PF

Aggregate size	Weight of aggregates/sqm	Thickness	Coverage (sqm) / gallon
3-5 mm	11.10 kg	5 mm	6.85
4-6 mm	22.16 kg	10 mm	4.29
6-10 mm	24.56 kg	10 mm	3.87

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Note: Coverage figures provided are theoretical, practical coverage figures will likely be lower due to varying application conditions such as substrate porosity, quality of surface preparation, application thickness, and wastage factors.

PACKAGING

FLOORTEK PF is available in a gallon set.

STORAGE AND HANDLING

FLOORTEK PF has a shelf life of 12 months if stored in a dry cool place unopened away from direct sunlight, moisture, heat, and foreign materials. The product is sensitive to moisture. Storage at higher temperatures will result in an increase in color and viscosity. Storage at significantly lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product. The recommended storage temperature is 0°- 30° C.

PRECAUTIONS

HEALTH AND SAFETY

FLOORTEK PF should be handled with care and should not come in contact with skin and eyes. Wear suitable protective clothing, gloves, and eye/face protection. Any eye contamination should be washed immediately with plenty of water.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.