



Features

Pebblewash floor with large panel sizes are a designer's delight where a cast-on-site exterior flooring is required. It goes without saying that for floor applications, extremely high quality of the material and application quality as well as the construction of a perfect base are imperative.

Pebblewash floors can be finished off in varying degree of aggregate exposure depending on the size of the aggregates used.

Key features include:



High Adhesion to Substrate
Less peeling off | High bonding



High Workability
Fast completion of project



Thin Layer Application
Environment friendly



High Consistency of Material
Peace of mind



Lower Dimensional Shrinkage
Fewer cracks in concrete



No Contamination
Better performance



High Strength
High durability | Low maintenance cost



Slight Flexibility in Material
Less cracks | Large panel sizes



Easy to Clean
Better looking surfaces



Water Repellence
Moisture ingress & stain protection



Low Requirement of Curing
Less supervision required at site



Extensively Tested at Factory
Quality assured

Based on expected abrasion on surface, special aggregates can be selected.

Application

Generally used in exterior floorings for pedestrian, cycle track applications, where seamless floors are required or desired. For Light vehicular traffic options, please refer to other product range.

Appearance

Supplied in two components

Part A- Mortar powder Part B- Clean and dry aggregates.

Specifications

Max. Aggregate Size	Compressive Strength
2-8 mm or higher on request	>20 N/mm ²
Flexure Strength	Bulk Density
>5 N/mm ²	~1700 kg/m ³
Wet Density	Output/Coverage
~2200 kg/m ³	~2.2 kg /mm/m ²

Water Requirement

~10-11% of weight of Part A. Care should be taken to make a trial patch and check the exact water requirement- which can vary as result of the ambient weather conditions. The water content established should be maintained throughout the operations.

Work Time

20-30 minutes maximum. Will be less when temperatures exceed 28° C or humidity less than 50%. Only so much material should be mixed with water as will be possible to consume within 20 minutes since the mixing of water to the mortar.

Application Thickness

We recommend to screed the floor in 12-20 mm thickness, depending on the size of the aggregate use. The thickness of the layer should be approximately 2 to 2.5x of the largest sizes of the aggregates used. Use laser screed for large sites and best results.

Base Surface Preparation

The concrete base or other floor bases must be clean, free of dust and grease.

The base must be consistent, without loose particles and disaggregation. Damp the surface with potable water and apply the primer to damp surface. If steel is exposed, do not damp the reinforcement steel. The foundation should have a minimum tensile strength of 1.5 MPa. The base must be visually dry. Cracks in the base should be repaired. Weak bases must be removed or restored. The foundation should be ground or blasted and then aspirated.

Use suitable FreeForm Primer.

When the subsequent material is placed/casted after drying of the primer, the surface should be vacuumed to remove loose sand particles if any.

Application/Installation Method

Please refer to separate sheet for guidance on application method.

Curing

Cover with plastic as soon as laid concrete starts to harden and will not leave marks from the covering. In case of extreme hot and windy climate, slight mist spraying of water may be recommended to prevent excess drying out.

After Protection

Adequate care should be taken to cover the flooring in a dust free yet breathable manner- from works of all other trades, till opened for final use.

Possible to do a complete sealing/ protection with either FreeForm AcrySeal water based acrylic coating or FreeForm ClearSeal impregnation.

Open to Traffic

The floor can be opened to
Pedestrian traffic: 4-5 days

Packing

Part A- 25 kg bag and Part B- 40 kg bag (may vary based on aggregate type and size)

Mix 1 bag of part A to 1 bag of part B

Shelf Life

3 months from date of packing before opening. Use within few hours of opening. Store carefully away from dampness and moisture.

Precautions

Use materials from different packs to reduce chance of any shade variation. Keep WC ratio and curing conditions consistent to reduce chances of shade variation.



Green Certification

This product is GreenPro Certified and qualifies as Green Product by CII- Green products and services council.

Technical Support

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Disclaimer

Any recommendations for application techniques are based on experiences. It is advisable to adapt processing techniques and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Hairline crack formation or deformation by shrinkage on principle cannot be excluded with the offered system and thus are not considered as technical defect. Coloured products are exclusively produced from natural raw materials. Thus, colour deviations cannot be excluded. The printed colour may deviate from the original colour shade. Test areas are strongly recommended before usage/execution in larger areas.

Health Precautions

This product contains cement and has an alkaline reaction with moisture/water. Adequately protect hands and eyes. In case of contact with eyes consult doctor immediately.

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