



Features

Stonecrete by FreeForm is a cementitious decorative material for walls. The walls can be finished in a washed/exposed finish soon after the rendering application. Skilled workmen are required for application of this material. Available in bespoke base colours and numerous aggregate options, the material offers several technically enhanced properties over the conventional Cementitious wall renders.

Key features include:



High Adhesion to Substrate
Less peeling off | High bonding



Efflorescence Resistance
Better looks | Low maintenance cost



High Consistency of Material
Peace of mind



Low Rebound
Less wastage in wall material



Water Repellence
Moisture ingress & stain protection



Easy to Clean
Better looking surfaces



Lower Dimensional Shrinkage
Fewer cracks in concrete



Low Requirement of Curing
Less supervision required at site



No Contamination
Better performance



Extensively Tested at Factory
Quality assured

Application

Good for most walls, exteriors as well as interiors. Can be easily wrapped around wall edges, columns etc.. High adhesion of our product makes it suitable for application like street furniture, treads and risers and others.

Appearance

Supplied in two components

Part A- Mortar powder

Part B- Clean and dry aggregates

Specifications

Max. Aggregate Size	Compressive Strength
3-8 mm	>15 N/mm ²
Flexure Strength	Bulk Density
>3 N/mm ²	~1250 kg/m ³
Wet Density	Output/Coverage
~2200 kg/m ³	~2.2 kg /mm/m ²

Water Requirement

~17% of total mix by weight- assuming SSD aggregates. 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

Minimum 60 minutes. Will be less when temperature exceeds 28°C or humidity less than 50%

Application Thickness

We recommend using the Stonecrete material in 8 to 10 mm thickness.

Base Surface Preparation

The base wall surface should ideally be a rough combed plaster, clean and free of undue efflorescence, dust or any other material that may restrict adhesion. Any water proofing if required should be completed first. Any continuous source of water will leave the finish looking imperfect. The base must be consistent, without loose particles and disaggregation. Use suitable Freeform Primer if required. Then leave to dry. The drying time depends on the weather conditions and can be up to 24 hours. After drying, the surface should be vacuumed to remove loose sand particles.

Application/Installation Method

Please refer to separate sheet for guidance on application method.

Curing

The finished surface may be lightly sprayed with water soon after completion of work in case of hot and windy climate, to prevent excess drying out.

After Protection

No special care is required after installation and initial curing. If any efflorescence or dirt shows, the surface may be cleaned with dilute acid and then flushed with water to clean. A coat of FreeForm Acryseal, a film forming clear sealer or FreeForm Clearseal impregnating material may be applied for additional protection, 3-4 days after the previous process.

Packing

Part A- 25 kg bag and Part B- 32.5 kg bag of aggregates

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. Material may be suitable for use after indicated life if lumping and aggregation has not happened. Suitability should be checked.

Precautions

Should be stored away from water. 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.

Applicable Standards

EN: 998-1



Green Certification

This product is GreenPro Certificated 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.

Cementitious and Epoxy Floors | Wall Finishes | Tile Adhesives | Base Materials | Sealers | DIY