



Features

CalcoRender is a highly flexible and seamless, aggregate and emulsion based exterior coating with stunningly natural looks. The acrylic emulsion is clear and disappears on hardening and leaves behind a crack-free and strikingly natural aggregate surface for long term use. Workmen with minimum skills can carry out the application of this material.

CalcoRender is available in a standard white colour and more shades can be easily developed at any paint shop to obtain personalised look and feel. Also available are the CalcoPremia and CalcoGiltter range of naturally coloured stone or glass aggregates plasters in select shades.

Key features include:



Seamless Application
No joints*



High Flexibility in Material
Less cracks | Large panel sizes



High Adhesion to Substrate
Less peeling off | High bonding



Thin Layer Application
Environment friendly



No Requirement of Curing
Less supervision required at site



Lower Dimensional Shrinkage
Fewer cracks



High Strength
High durability | Low maintenance cost



Easy to Clean
Better looking surfaces



Quick Application
Fast completion of project



Peace of Mind
More value for money

Application

Good for most walls, exteriors as well as interiors. Can be easily wrapped around wall edges, columns etc.. High adhesion of the product makes it suitable for many diverse applications.

Appearance

Supplied as a thick paste, ready to use. Slightly glossy after application.

Specifications

Max. Aggregate Size
3 mm
Output/Coverage
~5-6 kg/m ²
Work Time
20 minutes. Will be less when temperature exceeds 28°C or humidity less than 50%

Application Thickness

2 to 3 mm

Base Surface Preparation

The base wall surface should ideally be a well levelled mala plaster, clean and free of undue efflorescence, dust or any other material that may restrict adhesion. Cracks if any should be repaired. 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.

Application/Installation Method

Apply 1 coat of suitable FreeForm Primer and allow to dry. Pigmented primer to match the colour of the selected stones can also be used.

Aluminium profiles can be used to obtain patterns if required. The profiles should be fixed beforehand and

removed (if required) after slight hardening of the render to reveal patterns.

Mixing- The material is mixed by electrically operated hand mixer in the recommended ratio till complete homogeneity is achieved. Slight water may be added to the mix to improve workability. Too much water will reduce sticking ability to the surface.

Trowel Application- The material is applied by trowel in a smooth and uniform coat in upwards motion in 2-3 mm thickness till the base is completely hidden. After about 20-30 minutes, when the surface has sufficiently hardened, smooth strokes of trowel for purpose of smoothening the applied texture must be applied without material.

SS Trowels are recommended as the material is slightly acidic in nature.

Check that the material develops good adhesion and establish application procedure by doing a small sample or mock-up first before applying on entire surface.

Curing

No curing is required. Material is touch dry in 1-2 hours, and full cure is 5-7 days after application. Material should be protected from dust for at least 24 hours after application.

After Protection

No special care is required after installation. A coat of Freeform AcrySeal, a film forming clear sealer may be optionally applied for additional protection in case the environment is expected to be very dusty.

Packing

5 kg and 25 kg packs

Shelf Life

6 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

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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