

CemPlaster

Description

A 3 - 5mm coloured, waterproof, fibre-reinforced plaster.

Purpose

To provide a 3 - 5mm thick tough, mottled, coloured exterior or interior plaster onto conventional wood floated- or scratch plaster that is UV resistant and unaffected by water.

Limitations

Concrete and coloured plaster are susceptible to no uniformity of colour, unless precautions are taken in applying the coloured plaster onto areas of even suction. The unsightly "smiling" of the bricks through the plaster is caused by different suction and curing of brick and mortar joints. Work from one architectural feature to another, always keeping a wet edge. Patching will cause variations in colour.

Specifying

"Cemcrete CemPlaster to be applied in one coat, not thicker than 5mm, over conventional wood-floated- or scratch coat plaster."

Specimen finish

A trial area should be treated on-site for the architect's approval.

Site Work

Storage

Can be stored in a dry shed off the floor on wooden slats for 4 months.

Weather

To avoid efflorescence, do not use in cold, wet weather.

Surface preparation

Base plaster

All brick surfaces to be clean, properly cured and hard. Plaster mix to be 1 volume ordinary Portland cement, 3 volumes clean plaster sand and 1 volume clean river sand. Apply and finish with a wood float or scratch back when biscuit hard. All completed plaster to be cured by damping 3 times with clean water on the day following application. Plaster must be allowed to cure for at least 28 days prior to application of CemPlaster.

Mixing

Mix 3 volumes CemPlaster with 1 volume clean water. The CemPlaster mix should have no slump, but be workable.

Technical Information

Cemcrete provides a free comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology.

Application

Final coloured coat

Thoroughly dampen the surface to be treated with clean water on the day before application. If the wall is in direct sunlight, dampen a few hours before. Mix CemPlaster to a thick plaster consistency using clean water only. Final thickness should not exceed 5mm. Strike off level and finish using one of the following methods:

- Brushed brush using a large, slightly wet paintbrush while the plaster is biscuit-hard
- Scratched scratch the surface when biscuit-hard using the edge of a steel float to pull out the larger aggregate, leaving a rough "scratched" finish
- Sandstone lightly acid-wash the finished cured plaster to expose the special aggregates to emulate "sandstone" blocks or panels. Dampen the plaster well and apply a dilution of 1 volume hydrochloric acid mixed with 5 volumes clean water evenly over the surface. Allow to react for about 10 minutes and flush with clean water.
- Sponged finish with a damp sponge
- Smooth finish using a steel float, being careful not to "burn" by over-trowelling
- Wood float finish using a wood float

Curing

All plaster work to be cured by wetting with clean water 3 times on the day following the day of application.

Coverage

Approximately 4 - 5m² per 40kg bag.

Sealing

After all work is completed and well cured, mask all windows, etc. and apply one good coat of Cemcrete Silconseal Solvent by brush, roller or spray. See Silconseal data sheet.

Packaging

In 40kg non-returnable paper bags.

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