

Proplast CM15

Hand applied, exterior grade cementitious leveling plaster with improved bond strength



Description

Proplast CM15 is a hand applied, polymer modified, ready mixed cementitious leveling plaster for internal and external applications. Proplast CM15 is composed of a blend of cement, sand, dry powder aggregates, selected polymers and fibres which when mixed with water produces a thixotropic mortar suitable for plastering on vertical and overhead surfaces.

Applications

Plastering of concrete and blocks surfaces internally and externally.

Advantages

- ▲ Shrinkage controlled polymer modified cementitious plaster.
- ▲ Improved bond strength.
- ▲ High impact resistance.
- ▲ High condensate resistance.
- ▲ Easy to apply, one component, requires only addition of water.
- ▲ Excellent thixotropic properties, for use in vertical and overhead applications.
- ▲ Suitable for internal and external applications.
- ▲ Economical.

Standards

Proplast CM15 complies with ASTM C150, Type I, ASTM C897 and application standard ASTM C926.

Method of Use

Substrate Preparation

Substrate must be clean and free from oil, grease, dust and laitance.

Priming

Primer is not normally necessary prior to the application of Proplast CM15. However, areas to be plastered should be soaked with clean water before applying the plaster.

Where increased bonding is required, or where plastering is to be applied on smooth fair faced surfaces.

Technical Properties:

Colour:	Grey
Fresh wet density:	1.8 ± 0.1 g/cm ³
Maximum aggregate size:	1 mm
Working life:	≈ 1 hr
Fire index: EN 998-1	Class A1
VOC: ASTM D2369	< 10 g/ltr (Complies with LEED)

Two priming methods are recommended:

- ▲ Using a polymer modified resin based primer such as Proplast Contact Primer. Proplast CM15 should be applied after 24 hours after Proplast Contact Primer.
- ▲ Using a key coat like Proplast RC100 or Proplast RC50 which will enhance dramatically the bond of plaster. The substrate must be soaked with water before applying the plaster. For more information of the slurry coat, DCP Technical Department can be consulted or check the Technical Data Sheet for Proplast RC100 and Proplast RC50.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

4.5 - 5.0 litres of clean water for each 25 kg bag and 9.10 - 10.0 litres for each 50 kg should be added to clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued until uniform consistency is obtained.

Placing and Finishing

The suitable thickness of application is up to 15 mm. If higher thickness is required another layer should be applied after the first layer has initially set (3 - 6 hours) using wet on wet technique.

Proplast CM15 is applied by trowel. The mixed mortar should be applied using firm pressure to fully compact the mortar and ensure good adhesion to the substrate.

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Khalda Street, Al-Darraas Building # 276

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Building # 66



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Finishing and leveling should be carried out initially by aluminum straight edge or steel float. Final finishing should be carried out using a slightly water dampened plastic or wooden float.

Curing

As Proplast CM15 is a cement based material, it should be cured in a similar manner to cement base materials. Soak the applied surfaces with water 2 - 3 times a day after setting.

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Proplast CM15 is available in 25 and 50 kg bags.

Yield

Approximately 16 - 17 litres per 25 kg bag and 32 - 34 litres per 50 kg bag.

Storage

Proplast CM15 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C in original unopened bags.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and safety

Proplast CM15 may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Proplast CM15 is nonflammable.

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Note:

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