

Proplast CM15 Spray

Spray applied, fiber reinforced exterior grade leveling plaster



Description

Proplast CM15 Spray is a polymer modified, ready mixed cementitious leveling plaster for internal and external applications.

Proplast CM15 Spray composed of a blend of cement, well graded sand, dry powders, polymers and fibers that produced when mixed with water a smooth mortar that can be easily applied by spray machine on vertical and overhead surfaces for a faster and easier application process.

Applications

Large scale plastering work on concrete and blocks surfaces internally and externally.

Advantages

- ▲ Spray applied, for higher productivity process.
- ▲ Suitable for vertical and overhead applications.
- ▲ Improved bond strength.
- ▲ High impact resistance.
- ▲ High condensate resistance.
- ▲ Easy to apply, one component, requires only addition of water.
- ▲ Suitable for internal and external applications.
- ▲ Economical.

Standards

Proplast CM15 Spray complies with ASTM C150, Type I.

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 Spray. 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 fairfaced surfaces.

Technical Properties:

Colour:	Grey
Fresh wet density:	1.7 ± 0.1 g/cm ³
Maximum aggregate size:	< 1 mm
Working life:	≈ 1.0 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 Spray 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

Proplast CM15 Spray is designed to be applied using spray machine; the typical dosage of water for each 25 kg bag of Proplast CM15 Spray is 4 - 4.5 litres. The quantity of water is dependable on the final consistency required by spray equipment, but in general, flow rate of 325 litres per hour is a suitable average to start with.

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 Spray is applied by spray machine on the prepared surfaces. Finishing and leveling should be carried out initially by aluminum straight edge. Final finishing should be carried out using a slightly water dampened steel float.



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Curing

As Proplast CM15 Spray 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 Spray is available in 25 and 50 kg bags.

Yield

Approximately 17 - 18 litres per 25 kg bag and 34 - 36 litres per 50 kg bag.

Storage

Proplast CM15 Spray 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 Spray 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 Spray is nonflammable.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
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- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.



Note:

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