

Proplast DecoSpray

Two component smooth finishing cementitious decorative coating



Description

Proplast DecoSpray is a high performance, two component cementitious decorative coating especially designed to provide a smooth coloured finishing on exterior and interior surfaces.

Proplast DecoSpray consists of a unique composition of cement, fine aggregate, special polymers and hydrophobic additives that when mixed with the liquid part produces an easily workable decorative coating that can be easily applied by spray machine, roller or brush to provide a long-lasting decorative coating over all common construction substrates such as concrete, hollow blocks, bricks and cementitious plaster.

Applications

Proplast DecoSpray provides an excellent decorative and protective coating over wide range of applications such as:

- ▲ Bridges abutments.
- ▲ External facades of multistory buildings and villas.
- ▲ External and internal walls.
- ▲ Pre-cast elements and concrete cladding.

Advantages

- ▲ High water and weather resistance.
- ▲ Excellent resistance against UV.
- ▲ Shrinkage controlled polymer modified coating.
- ▲ Easy to apply, supplied in two parts that need mixing together only.
- ▲ Can be applied by spray machine for faster installation.
- ▲ Available in wide range of attractive colours
- ▲ Environmentally friendly.

Method of Use

Substrate Preparation

The surfaces to be coated should be clean, sound, and free from any contamination. Remove any traces of wax based curing compound, laitance, organic growth or any other loose materials. This is best obtained by using high pressure water or light grit blasting.

Honey combing, damaged or deteriorated concrete exists, the substrate should be repaired using suitable low permeability repair mortar from DCP repair systems before commencing the coating.

Technical Properties:

Fresh wet density:	1.75 ± 0.05 g/cm ³
Working time:	45 - 60 min
Bond strength on C25/30 concrete: ASTM D4541	≥ 1.5 MPa @ 28 days
Tensile strength: BS 6319-7	≥ 2.0 MPa @ 28 days
Minimum application temperature:	5°C
VOC: ASTM D2369	≤ 20 g/ltr (complies with LEED)

Typical characteristics of the product @ l/p ratio = 0.33

Priming

No primer is required, but substrates should be presoaked with clean water prior to application of Proplast DecoSpray.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. The 5 kg of Proplast DecoSpray liquid should be added to a clean container. For spray application, 1 - 2 litre of clean water should be also added to the liquid part to facilitate the spray-ability of the mix.

After that, the 15 kg powder should be added slowly to the liquid while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

Application

Proplast DecoSpray can be easily applied using spray machine or by roller or brush. The mixed material should be sprayed well to the prepared substrates. Avoid spraying the material at a very low thicknesses. The first coat should be applied at 1.0 mm thickness and left for a minimum of 3 - 5 hours depending in the ambient conditions before applying a second coat to achieve a total thickness of 2.0 mm.



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If the first coat is left exposed for a long period of time, it is recommended to wash the surface with water before applying the second coat in order to ensure a dust free surface.

For brush or roller applications, the second coat should be applied in a perpendicular direction to the previous layer to ensure a good bond and coverage.

Remarks

- ▲ Proplast DecoSpray should not be applied to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C during the first 24 hours of application.
- ▲ Consult the spray machine manufacturer to make sure that the machine can be used for cementitious paints.

Cleaning

All tools should be cleaned immediately after finishing by clean water. Hardened materials should be cleaned mechanically.

Packaging

Proplast DecoSpray is available as 20 kg packs (5 kg polymer and 15 kg powder).

Coverage

The actual coverage of Proplast DecoSpray depends on the condition of the substrate and method of application. Typically when applied using a spray machine, Proplast DecoSpray covers around 40 - 50 m² per each 20 kg pack with 2 litres of water to achieve 250 - 300 microns DFT per coat, two coats are recommended to yield a minimum of 500 microns DFT.

Storage

Proplast DecoSpray has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 35°C.

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

Cautions

Health and Safety

As Proplast DecoSpray contains Portland cement and sand, Proplast DecoSpray 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.

For further information refer to the Material Safety Data Sheet.

Fire

Proplast DecoSpray is nonflammable.

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

Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.



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