

Diamond One Coat White

Medium Fine Skim Coat, Polymer modified cementitious mortar

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Product name

Diamond One Coat

Manufacturer

Produced in Philippines by
Diamond Dry Mortars Inc.

Product description / General Purpose

Diamond One Coat is a high quality **Skim coat** for in-door and out-door use. The product is meant as a base for paint. Diamond One coat can also be applied as a base coat for a super fine skim coat like Diamond Finish Coat. The product is a polymer modified lime-cement based plaster specially formulated for use on concrete surfaces or on surfaces pre-applied with cement based mortar. Diamond One Coat is suitable for walls and ceiling giving a fine and semi smooth surface. The product have good adhesion to all mineral based surfaces. The product is supplied as a pre-mixed dry mortar, only needed to be mix with water and the material is ready to use.

International Standard

Diamond One Coat White is fulfilling all requirements to be General Purpose Rendering /Plastering mortar in accordance to EN 998-1



Physical Properties

Colour	Grey or White
Dry bulk density EN 1015-6	1,200 to 1,500 kg/m ³
Thickness	1-4 mm
Coverage	Approx. 1.2 kg/m ² /mm thick (2.4 kg/m ² if 2 mm thick)
Adhesion Strength* EN 1015-12	>0.5 Mpa
Compressive strength EN 1015-11	>4.0 Mpa EN 998-1 class: CS III
Flexural Strength EN 1015-11	>1.5 Mpa
Water vapour permeability EN 1015-19	μ <15
Capillary water absorption EN 1015-18	W2
Pot life	3 hours
Shelf life	6 month if product is stored in dry conditions
Packing	25 kg per bag

*Bonding to the substrate depends very much on the substrate and might vary from the specified value. It is recommended to perform tests on site to verify the actual bonding with the substrate

1. Packing and storage

The material is packed in 25 kg paper bags and have to be stored in dry conditions.

2. Surface preparation

Ensure the substrate is sound, clean and free from any dust, loose particles and contamination like oil, grease including form-oil compounds. Uneven surfaces should be grinded down or patched.

3. Mixing

- Mix the powder with 30 +/- 1% clean water (approx. 7.5 liter per 25 kg bag). Diamond One Coat is a premixed ready to use product only addition of water is needed for the mixing.

Note: Do not mix with sand

-Thoroughly mix until a homogenous mix, keep for 5 minutes and mix again before use.

- Mixing equipment: Electric stirrer.

4. Application

-Apply onto substrate by manual or mechanical means in one or two layers. Level out the material using a spatula. Recommended thickness 1-4 mm.

Do not exceed a thickness of more than 4 mm.

-Diamond One Coat is suitable for spray application.

5. Painting

For painting refer to paint manufacturers recommendation.

Fire resistance

The product is non-combustible.



Product Safety

Please refer to Diamond Material Safety Data Sheet.

The product is a cement based product and may cause skin irritation. Avoid contact with skin by wearing suitable clothing and gloves. In the event of contact with skin, wash with clean water to minimize possible irritation. If any material gets into the eyes, wash immediately and repeatedly with eyewash or clean water. If the irritation persists, seek medical treatment.