

# Diamond Base Coat White

Base Coat, Polymer modified cementitious mortar

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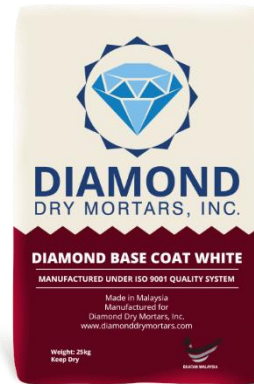


## Product name

Diamond Base Coat White

## Manufacturer

Produced in Malaysia for  
Diamond Dry Mortars Inc.



## Product description / General Purpose

Diamond Base Coat White is a polymer modified **base coat** for in-door and out-door use. The products is meant as a base for finish coat e.g. Diamond Finish Coat White or to be painted on directly. The product is a Lime-cement based mortar specially formulated for use on mineral based substrates such as cement based mortar, concrete, stone or bricks. Diamond Base Coat is suitable for walls and ceiling giving a semi rough finish that is suitable for a finish coat or if a coarse surface is preferred to be painted on directly. The product is supplied as pre mixed dry mortars, only needed to mix with water and the material is ready to use.

## International Standard

Diamond Base Coat White is tested according to EN 1015 and are fulfilling all requirements to be:  
General Purpose Rendering  
/Plastering Mortar in accordance to EN 998-1.

## Physical Properties

|   |  |
|---|--|
| Colour                                      | White  |
| Dry bulk density<br>EN 1015-6               | 1,400 to 1,600 kg/m <sup>3</sup>   |
| Thickness                                   | 3-5 mm   |
| Coverage                                    | Approx. 1.5 kg/m <sup>2</sup> /mm thick<br>(4.5 kg/m <sup>2</sup> if 3 mm thick) |
| Adhesion Strength*<br>EN 1015-12            | >0.3 Mpa<br>Fracture pattern (FP): class B                                       |
| Compressive strength<br>EN 1015-11          | >4.0 Mpa<br>EN 998-1 class: CS III   |
| Flexural Strength<br>EN 1015-11             | >1.5 MPa   |
| Water vapour<br>permeability<br>EN 1015-19  | μ <15  |
| Capillary water<br>absorption<br>EN 1015-18 | W2   |
| Pot life                                    | 3 hours  |
| Shelf life                                  | 6 month if product is stored<br>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

## Mixing and application

### 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 (7.5 liter per 25 kg bag). Diamond Base 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 trowel or spatula.

Recommended thickness 3-5 mm.

Do not exceed a thickness of more than 5 mm.

- For smooth finish apply e.g. Diamond Finish Coat White as a finish coat.

### 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.