



SMART RENDER AND FINISH COAT



Diamond Heights Subdivision,
Communal Buhangin, Davao City

- Excellent white finish
- Consistent great workability
- Easy Handling
- Manual or spray-on application
- Shrinkage crack free
- Fast and efficient
- Economical

Smart Hydrophobic Render White, Off-White, Grey
Render, Polymer modified cementitious mortar

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Product name

Smart Hydrophobic Render White, Off-White, Grey

Manufacturer

Produced in The Philippines
Smart Masonry Philippines Inc.

Product description / General Purpose

Smart Hydrophobic Render is a polymer modified **render** for out-door use where extra water tightness is preferred. The product is meant as a base for a finish coat or to be painted on directly.

The product is Lime-cement based mortar specially formulated for use on mineral based substrates such as cement based mortar, concrete, stone or bricks. Smart Render is designed for walls giving a rough finish that is suitable for a finish coat e.g.

Smart Finish Coat White or if a coarse surface is preferred a sponge finish treatment can be performed and then painted on directly.

Smart Hydrophobic Render has a very low water absorption but still open for water vapor to pass. The product is supplied as pre mixed dry mortar, only needed to mix with water and the materials are ready to use.

International Standard

Smart Hydrophobic Render is tested according to EN 1015 and are fulfilling all requirements to be:

General Purpose Rendering
/Plastering Mortar in accordance to EN 998-1.



**SMART
RENDER** **HYDROPHOBIC**
polymer modified renders for
indoor and outdoor use
 white
 grey
 off-white
made in the
philippines for
smart masonry
weight
40kg
keep dry

Physical Properties

Colour	White, Off-White or Grey
Dry bulk density EN 1015-6	1,700 to 1,900 kg/m ³
Thickness	5-10 mm per layer
Coverage	Approx. 1.5 kg/m ² /mm thick (7.5 kg/m ² if 5 mm thick)
Adhesion Strength* EN 1015-12	>0.4 N/mm ² Fracture pattern (FP): class B
Compressive strength EN 1015-11	>8.0 N/mm ² EN 998-1 class: CS IV
Flexural Strength EN 1015-11	>3.0 N/mm ²
Water absorption Rilem test 11.4	0.0 ml/min <1.0 ml/hour
Pot life	3 hours
Shelf life	6 month if product is stored in dry conditions
Packing	40 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



**SMART
RENDER**

Mixing and application

1. Packing and storage

The material is packed in 40 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 23 +/- 1% clean water (approx. 9.2 liter per 40 kg bag). Smart Hydrophobic Render 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 two layers or more. Level out the material using a spatula. Recommended thickness 5-10 mm per layer.

Do not exceed a thickness of more than 10 mm.

- Smart Hydrophobic Render is suitable for spray application.

- Sponge finish is achieved by gently rubbing a wetted sponge over the surface when the render is sufficiently dry.

5. Painting

For painting refer to paint manufacturers recommendation.

Fire resistance

The product is non-combustible.



Product Safety

Please refer to Smart 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.