

Y1

POWDER BASED PUTTY

HIGH PERFORMANCE CEMENTITIOUS LEVELING & SMOOTHENING PUTTY

PLASTER

REPAIR

Y1 Powder based putty is a cement based fine putty which provides an excellent finishing for concrete / cement plastered walls and ceiling, of different materials such as brick, mortar, concrete, etc. It is an ideal base for painting and decorative finishing in interior & exterior application.

Suitable for use in hot and tropical climatic conditions.

USES

Y1 powder based putty is used as a thin levelling layer and a sealing putty on concrete, mortar and masonry surfaces.

Typical applications are:

- Pore sealer on cementitious substrates
- For external and internal wall/ceiling smoothing
- Fairing coat before application of other coatings
- Thin smoothing layer on vertical areas in building
- Can be used in civil engineering construction before application of acrylic decorative & protective coatings
- Filling putty of small bugholes
- Re-profiling of small defects on edges and to form decorative covings

FEATURES

- Good bond strength on cementitious substrates
- Very good workability, easy to level, smooth and sand
- Fine finish and high scratch resistance
- Applicable in layers up to 3 mm
- Fast curing
- Reduces top coat consumption
- Good mechanical strength
- One component, easy to use

PRODUCT INFORMATION

Composition	Polymer modified cementitious putty
Packaging	25 kg bag
Appearance / Colour	and moisture White powder
Shelf Life	12 months from date of production
Storage Conditions	Store in original unopened packaging in cool and dry conditions between 5 °C and 35 °C. Protect from direct sunlight, heat and condensation.

TECHNICAL INFORMATION

Compressive Strength	~8.00 N/mm ² (28 d / +20°C) (EN 13892-2)
Flexural Strength	~3.00 N/mm ² (28 d / +20°C) (EN 13892-2)
Tensile adhesion strength	~0.90 N/mm ² (28 d / +20°C) (EN 13892-8)

APPLICATION INFORMATION

Fresh mortar density	~1.55 kg/l
Consumption	~0.9 - 1.0 kg of powder per m ² /mm This figure is theoretical and does not include any additional material required due to surface porosity, surface profile, variations in level and wastage etc..



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APPLICATION INFORMATION

Layer Thickness	1 mm in a single layer, up to 3 mm (multi-layer application)
Yield	~23.4 liters (25 kg bag at 0.45% w/p ratio)
Mixing Ratio	10.75 to 11.25 liters of water per 25 kg bag 17.2 to 18.0 liters of water per 40 kg bag
Pot Life	~120 min (23°C)
Waiting time to over coating	~24 hours depending on the thickness, can be painted and sanded after ~24 hours (+20°C)

APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Substrates must be sound, rough, free from dust, loose particles, cement laitance, curing compounds, oil, grease or any other contamination. Pre-wet the substrate to a saturated surface dry condition (SSD) prior to application. Avoid puddles and standing water.

MIXING

Mix with the necessary, above mentioned, amount of water, using an electric blender with a suitable mixing spiral at low speed, in a clean bucket for at least 3 minutes. Obtain a smooth paste free of lumps. Use a blender at 500 rpm maximum. Do not mix at a faster rate because of mechanical strength decay of the cured product. The obtained mix result is very creamy, easily spreadable and thixotropic.

APPLICATION

Y1 wall putty can be applied by putty blades. Make sure that the second layer application should be done when the first layer is totally dry. If the substrate is having low tolerances it is convenient to apply Y1 wall putty in one layer. When deeper holes or fissures are to be filled it should be applied in several layers, once dry. The surface must be sanded with a sandpaper of fine grain, then proceed painting the surface.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Rapid drying due to sun or strong wind must be avoided.
- To aid curing protect fresh surfaces with light water-spray, for a minimum of 3 days.
- At high temperatures, use chilled water for mixing.
- Y1 wall putty is not suitable for use for any flooring application, trafficable areas, structural repairs of any type.

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HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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