

# POWDERSTONE

LIME-BASED DECORATIVE POWDER COATING FOR EXTERIOR/INTERIOR USE

code 9640019

## DESCRIPTION

POWDERSTONE is a decorative powder that reproduces natural-looking finishes that recall the materiality of rustic plaster on façades, offering a variety of decorative possibilities, including with single coat, for all types of architecture whether restoration, rehabilitation or new constructions.

Smooth and compact textural effects can also be created with POWDERSTONE, which can create particularly warm and welcoming interior environments.

POWDERSTONE has excellent workability. Its special fibred composition, it can be applied in good thicknesses without cracking, thus providing good protection to the substrate, with high breathability, and able to preserve the surface from mildew and mould formation in a natural way.

## INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Concrete surfaces.
- Gypsum and gypsumboard surfaces.
- Old paints and wall coatings that are organic or mineral in nature, dry, compact, absorbent and cohesive.
- Mineral conglomerates of various kinds, as long as they are absorbent.

Surfaces should be adequately prepared by following the instructions given in the paragraph 'PREPARING THE SURFACE'.

Do not apply on freshly-painted and alkaline-tending surfaces, and allow adequate curing time, typically four weeks.

## TECHNICAL SPECIFICATIONS

Nature of binder: Aerial lime and hydraulic binder

Appearance: white powder

Indoor Air Quality Classification: A+

Maximum aggregate particle size: 1.2 mm

Mix usability time: about 4 hours at 25°C, RH=60%.

UNI EN 1062-3 liquid-water permeability: average,  $w=0.20 \text{ kg/m}^2\text{h}^{0.5}$

UNI EN ISO 7783-2 water-vapour permeability: high,  $S_d \leq 0.14 \text{ m}$

Drying (at 25 °C and 65% R.H.): about 48 hours.

## PREPARING THE SURFACE

Plaster surfaces:

- Make sure that the surface is thoroughly dried and aged. Resurface or consolidate using specific products if necessary.
- If mold is present, treat the surface with COMBAT 222 cleanser code 4810222, and with COMBAT 333 reconstruction code 4810333.
- Brush or wash to remove any efflorescence and any old peeling paint. Completely eliminate any raised layers of lime-based or tempera paints.
- Remove any dust, smog or other deposits by brushing.
- Cracks both indoors and out must be suitably widened and filled with filler or similar products.
- Smooth if necessary with BETOMARC FIT 9740150 or with RASAMIX FIT 9670160 or MARCOPRO 9750019 - 9750010 according to the type of support.
- Only in the case of particularly flaky surfaces apply ATOMO 8840001 micronized solvent-free fixative.
- If the substrate is not homogeneous, with presence of old paints,

fillers, patches, to level the surface applying a priming coat of MARCOSIL GRIP 9310019 or MARCOTHERM PRIMER 4740019.

- Proceed with the application of POWDERSTONE according to the procedures described under "Application instruction".

## APPLICATION INSTRUCTIONS

- Since the drying and carbonation of POWDERSTONE, as with all lime products, are strongly influenced by temperature and humidity, we recommend that it be applied at temperatures between +10°C and +35°C and at an ambient relative humidity of <75%.

- Avoid applying under direct sunlight.

- Exposure to weather, rain, high humidity, low ambient temperature, of surfaces treated with lime finishes can generate bleaching phenomena of the finish during the carbonation process. Under very extreme conditions, this phenomenon may be irreversible.

- After application, outdoor surfaces should be protected from rain and moisture until the product is completely dry, which normally (at 20°C) occurs after about 72 hours.

- Tools: stainless steel trowel

- Number of coats: the product is applied 1-2 coats depending on the desired effect.

- Indicative yield: 3 kg/sq.m, variable referred to smooth and moderately-absorbent surfaces. We recommend verifying the actual yield with a preliminary test on the specific substrate and according to the desired decorative effect.

Product preparation:

Use 4 to 5 litres of clean water for each 15 kg bag of POWDERSTONE.

Use a large, clean container to weigh the water needed to prepare the mortar.

Dispense the selected dye mixture into the container.

Disperse the dyes into the water by stirring manually. The dye should be dispersed into the mixing water beforehand

Pour POWDERSTONE carefully and slowly into the water and mix with mechanical stirrer at low speed. The resulting mixture should provide a uniform, thixotropic, lump-free mortar. Homogenization cannot be performed manually.

Allow to stand for 5-10 minutes before application.

The mixing water must be dosed and kept constant for subsequent colouring of the product.

Changing production batches may result in different final tones.

Stirring times should be kept constant.

Do not use the product beyond the pot-life, not even if the viscosity of the mixture allows it.

During working, do not add any additional water to reduce viscosity.

Do not apply onto damp substrates where there is rising damp.

## TINTING

Colouring is available by tintometer, in the natural earth tones shown in the chart.

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## STORAGE

Maximum storage temperature: +30 °C

Minimum storage temperature: +5 °C

Keep in a dry place away from damp and moisture.

The product should preferably be used within 1 year from the date of production, if stored in its original unopened pots, and under appropriate temperature conditions.

## SAFETY RULES

It does not fall within the scope of Legislative Decree 161/2006 (Dir. 2004/42/EC)

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May irritate the respiratory tract.

Use the product in accordance with current safety and hygiene regulations; after use, do not disperse the pots in the environment; allow the residues to dry well and treat them as special waste. Do not empty into drains, watercourses or onto the ground.

For more information, please consult the safety data sheet.

## SPECIFICATION ITEM

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