

MARMORIN SAND



FINISHES



PRODUCT DESCRIPTION

Description Lime putty-based finish with a marble effect.

Intended use Indoor/Outdoor

- Particularly suitable for restoration work on old buildings of historic and monumental character.
- Homogeneous, absorbent and seasoned lime-based or lime cement-based new or old and worn mineral substrates.

Main features

- Marble effect.
- High water vapour permeability.
- Shaded appearance with chiaroscuro effects and haloing.
- Excellent fire resistance.
- Natural anti-mould.
- Formula A+



Main technical data

Technical information	Method	Main data at 20°C and 60% of R.H.
Theoretical consumption per coat (for recommended thickness 0.8 mm)	ISO 7254	1.8÷2.2 kg/m ² Approx. 1 m ² /L
Vapour permeability	ISO 7783-2	V1
Water absorption	UNI EN 1062-3	W1

Available colours White and colour collection.

LAYING

Dilution and preparation of the product

The product is ready to use, mix gently until workable.

Application tools

Stainless steel spatula

Preparation of the substrate

- The substrates must be mineral and suitably seasoned, breathable and finished with a fine, water-soluble, salt-free finish.
- The substrate must be perfectly clean, even and without any traces of old synthetic paints;
- any restoration work must be carried out using mineral materials compatible with the existing ones.
- Before applying MARMORIN SAND, wet the substrate sufficiently with water.

Application system

Stir vigorously and apply MARMORIN SAND evenly with a stainless steel spatula (if necessary, and depending on the grain size of the substrate, apply a second coat).

Before MARMORIN SAND is completely dry, apply a final coat of product, pressing the surface with the spatula and moving from top to bottom and vice versa to perfectly compact the surface; using the spatula correctly will result in a surface with a satin effect. If a smooth, translucent, marble effect is required, the last coat must be smoothed, i.e. levelled and compressed with the spatula tilted at 45°.

- Dry in depth: 24 h;
complete carbonatation takes 2÷3 weeks (60-70% of lime); the complete process takes 8÷12 months.
- Overcoatability: after 12÷24 h.

Conditions of application

- Relative humidity of the environment: <75%.
- Ambient temperature: min. +5°C / max. +35°C.
- Substrate temperature: min. +5°C / max. +35°C.
- Apply on homogeneous substrates, complete the walls without stopping, avoid the recovery of material that is now dry.
- Do not apply on substrates with rising damp.
- Avoid application of the product in direct sun or on particularly windy days.

Practical advice

- New plasters must be evenly seasoned, brand new patches must be allowed to mature perfectly.
- In the case of very large surfaces, provide for suitable interruptions near drainpipes or technical joints.
- Store the product in its original container at a temperature between +5°C and +30°C.
- After application, the surfaces must be protected from driving rain for at least 48 hours.
- Apply a single batch on the same side or request a continuing batch.

Known incompatibilities

The products cannot be applied to surfaces already dyed with synthetic paints or other film-forming products (coatings, plastics, emulsion paints), nor on wooden or plasterboard substrates.

For any use other than that indicated in this technical data sheet, contact our Technical Assistance Service.

Cleaning of tools

With water immediately after use.

Safety Precautions

- The product is very alkaline. Protect your eyes during use and in case of contact wash thoroughly with water and consult your doctor.
- Keep the jar tightly closed after use, away from heat sources, away from frost and direct sunlight.
- The safety information for the user is contained in the relevant safety data sheet.
- Empty containers or containers with slight traces of dried film of residual product must be disposed of in compliance with local regulations.

Warnings

- The final shade of the applied product is dependent on the porosity and absorption of the substrate, as well as the thicknesses applied.
- We advise to check the colour after the plaster has completely dried.
- Faint shades and shading of the colour (lighter and darker) are an aesthetic characteristic, typical of the product.
- Due to the natural composition of the product, the final shade will be affected by climatic conditions and by plaster absorption rates.
- Being a natural product, the mixture may contain undercooked or not hydrated limestone fragments.

ITEM SPECIFICATIONS

Application of MARMORIN SAND, marble effect finish.

Based on lime putty, MARMORIN SAND - in the colour chosen by the Works Management - is a smooth finish that can be applied with a stainless steel spatula.

Two/three coats must be applied on walls of a mineral nature that have never been painted or on walls that have been painted with mineral products or suitably prepared with a mineral primer.

Indicative consumption per coat 1.8÷2.2 kg/m².

Price on site € _____ per m² including materials, labour, and excluding scaffolding, protections and any surface preparation.

OTHER INFORMATION

Classification (UNI EN 1062-1)

G0 E5 S3 V1 W1 A0 C0

VOC classification (Directive 2004/42/EC)

Interior matt walls and ceilings.
EU VOC limit for MARMORIN SAND (cat. A/a): 30 g/L (2010).
MARMORIN SAND contains a maximum of 30 g/L of VOC.

Other technical information

Technical information	Method	Main data at 20°C and 60% of R.H.
Density	ISO 2811-1	approx. 1.40 g/ml

Brookfield viscosity	ASTM D 2196	approx. 55000 cps
Dry film thickness per coat		Approx. 800 µm
Flash point	UNI 8909	Not inflammable
Storage life	UNI 10154	At least 12 months
Adhesion (> 0.3 Mpa)	EN1542	0.3
Durability (> 0.3 Mpa)	EN13687-3	0.3
Thermal conductivity ρ=50% (W/ m * K)	EN 1745:2002 Table A12	0.83
Thermal conductivity ρ=90% (W/ m * K)	EN 1745:2002 Table A12	0.93
Reaction to fire (Euro class)	EN 13501-1	F
Binder		Lime

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