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arteMURI® MARMO CALCE



Decorative finish with a marmor effect based on slaked lime.



Product description and fields of use

MARMO CALCE is a mineral decorative coating, made of seasoned and selected slaked lime, marble dust, aggregates and natural pigments. MARMO CALCE is resistant to water and atmospheric agents and maintains an excellent permeability to water vapor. MARMO CALCE is indicated as protective finish for interior and exterior walls, to which it gives a silky look that mimics the pleasant and compact effect of classic marble. On the external walls, the current environmental pollution conditions do not guarantee the product adequate durability and protection; therefore its use is recommended only in buildings not heavily exposed or where a mineral finish based on lime is expressly required. It may also be used as a base coat for skim plasters to be subsequently finished with the application of 5th SPATOLA and thereby, achieving many decorative effects.

MARMO CALCE may be tinted with the arteMURI tintometric system.

Advantages

- marble effect
- mineral decorative finish
- excellent breathability
- ease of application
- organic compounds < 5%

MARMO CALCE

Technical specifications

Wall surfaces, such as mortar plasters based on hydraulic lime-binder, premixed and traditional, may be finished with the mineral coating with marble effect MARMO CALCE from Fornaci Calce Grigolin, product based on slaked lime, marble powder, aggregates and natural, light-resistant pigments.

The minimum consumption of the finished product onto prepared surface is equal to 1,5 kg/m².

Consumption and packaging

MARMO CALCE is supplied in 20 kg buckets.

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Rules on conservation

Store at temperatures between +5°C and +30°C in original sealed containers. Under these conditions, the life of stored product is about one year. Avoid freezing temperatures. If stored for longer than 3-6 months, the product tends to present a thixotropic thickening and therefore, prior to usage, it requires vigorous shaking.

Surface preparation

New walls or eventual recovery (patches) must be seasoned from at least 4 weeks, dry and clean.

Old walls must be consistent, salt efflorescence free and without poorly adhering parts, accurately clean according to intensity and nature of the dirt accumulated on the surface to be treated.

To level and plaster imperfections such as holes, cracks or crannies, intervene first with the proper restoration product or mortar. The presence of moulds or algae on the surface should be treated with the SEI KO detergent and sanitized with SEI OK repairer.

On surfaces already painted with lime based paints, completely remove the falling, not fully adhering and degrading paint.

On surfaces already painted with synthetic paints well adherent (only interior): it is possible to apply the universal primer PRIME GRUND 0.3.

Surface treatment

New plasters: apply directly.

Plasters with mineral paints (lime or silicates): apply one coat of silicate product F4 SIL.

Interior plasters with synthetic paints (acrylic, siloxanic): apply a coat of PRIME GRUND 0.3.

Exterior plasters with synthetic paints (acrylic, siloxanic): remove completely.

New gypsum/plasterboard: apply one coat of PRIME GRUND 0.3.

Gypsum/plasterboard painted with light paint: remove completely, then apply one coat of PRIME GRUND 0.3.

Gypsum/Plasterboard painted with washable paint: apply one coat of PRIME GRUND 0.3.

Product preparation

MARMO CALCE is ready for use.

If the product has recently been painted and mixed mechanically, you must sometimes wait until the product regains its consistency in the bucket, before using it.

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Application

Apply the first coat with stainless steel float, leaving as less imperfections as possible. After drying at least 16-24 hours, apply a second coat with stainless steel inox float of 20 cm, with short spatula, overlapped and crossed.

During product essication, proceed carefully to smooth the surface by repeatedly polishing it with the rounded edges of the stainless steel clean float, till you obtain a compact and polished coating.

Eventual job interruptions must coincide with structural particulars (stringcourses, edges, etc.).

The necessary material for the job execution must be all of the same lot. Avoid absolutely different lots on the same surface and finish the area with one single lot, to start then on the building wall edge with the following lot. However, due to the mineral nature of the product, the colour tone obtained depends strongly from the atmospheric conditions, from the uniformity of the thickness and from the surface absorption: a same lot could have different tones. Wash immediately with water the tools and the equipment after use.

Important warnings

Do not apply when ambient or surface temperature is below +5°C or above +35°C and with relative humidity superior to 75%. Avoid application with superficial condensation, under direct sunlight or strong wind. The adhesion of the product to the surface is not guaranteed when done on surfaces with salt efflorescence, therefore it is necessary a previous treatment of the wall.

Special warnings

Respect the required application climate conditions as above indicated. In unfavourable climate conditions, there could be fast "carbonation" with the consequent formation of unaesthetics superficial whitish stains of calcium carbonate, particularly evident in case of medium-dark colours. It is strongly advised to not apply in exterior with low temperatures, high humidity, excessive heat and wind. Since the calcium carbonate stains could appear even after 8-10 days, it is advised to protect the surface for as long as possible.

Safety instructions

The product is highly alkaline: during use wear goggles and gloves. Avoid skin and eye contact and in case of contact wash immediately and abundantly with water.

Use the products according to existing standards of hygiene and safety.

After use, do not disperse the containers into the environment.

Allow residues time to dry and treat them as special waste. For more details, see safety sheet.

MARMO CALCE

DATI TECNICI	PERFORMANCE
Binder type	aged slaked lime and binders in water dispersion
Appearance	paste/rough/pigmented
Specific weight (UNI EN ISO 2811-1) 25°C±2	1550 ± 20 g/l
Brookfield viscosity (ASTM D2196) 25°C±2	200.000 ± 50.000 cP
Water vapor permeability and classification (UNI EN ISO 7783-2)	V = 320 g/m ² 24h Class I (high permeability)
Equivalent air layer thickness (UNI EN ISO 7783-2)	Sd = 0,066 m
VOC content (DIR. 2004/42/EC)	Paints for decorative effects. EU limits for subcategory I, type BA 200 g/l (2010) This product contains maximum 200 g/l of VOC
Application	Stainless steel fratazzo and spatula
Theoretical consumption	approx. 1.5 g/m ²
Theoretical yield	approx. 0,65 m ² /kg
Overpainting	10-12 hours

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