

GRASSELLO DI CALCE

CLASSIC PERIOD DECORATION FOR INDOOR USE

series 946

DESCRIPTION

GRASSELLO DI CALCE is a masonry covering for interiors, with a mineral binder base, which enables a finish to be obtained which resembles a "classic period decoration".

Even though the means of application are those in frequent use, the product appears different each time it is applied, characterized by tones and effects which depend on the skill of the decorator.

GRASSELLO DI CALCE can be used to decorate the interiors of buildings, including those of particular historical and artistic interest.

Once applied, the product creates a rather thick coat, albeit with a high level of breathability.

INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Gypsumboard surfaces.
- Old paints and wall coatings that are 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 surfaces.

- Given its predominantly mineral nature, it is not recommended to apply GRASSELLO DI CALCE on old synthetic paints (washable quartz emulsion paints and plastic wall coatings).

TECHNICAL SPECIFICATIONS

- Type of binder: air-hardening lime
- Indoor Air Quality Classification: A+
- Solvent: water
- Specific gravity per UNI EN ISO 2811-1: 1.50 ± 0.05 kg/l
- Viscosity per UNI 8902: paste
- Water vapor permeability per UNI EN ISO 7783-2: high, $V=370$ g/mq in 24 h, $S_d=0,10$ thickness of 0,6 mm.
- Mineral binder / total binder ratio: 80 ± 2 white product
- Mineral binder / total binder ratio: 30 ± 2 neutral product
- Drying times (at 25 C and 65% R.H.): touch dry in 3 hours; coatability after 12 hours (depending on the thickness applied).

PREPARING THE SURFACE

Plaster and gypsumboard 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.
- Level any irregularities in the surface and treat holes,

cracks, crevices and gaps with TAMSTUCCO 9400006/9410110. Use adequate sealants to seal any cracks.

- Remove any dust, smog or other deposits by brushing.
- Smooth if necessary with RASAMIX 9440160 or with BETOMARC 9450150 or RASOMARC 9500150 according to the type of support.
- Bond with a coat of IDROFIS 4700006 acrylic water-based wall fixative or ATOMO 8840001 micronized solvent-free fixative. Generally, on highly chalking surfaces, in the presence of thin layers of old tempera or deteriorated paints, apply one coat of ISOMARC 4410111 solvent-based fixative or ATOMO 8840001 micronized solvent-free fixative.
- Proceed with the application of GRASSELLO DI CALCE according to the procedures described under "Application instruction".
- On compact surfaces with low absorption it is suggested to apply an intermediate coating of MARCOTHERM PRIMER Cod. 4740019 apt to give a possibility to do better the first coat GRASSELLO DI CALCE.

APPLICATION INSTRUCTIONS

- Since the drying and carbonation of GRASSELLO DI CALCE, like all lime products, are highly susceptible to the temperature and humidity levels, it is advisable to apply the product when temperatures are in the range $+10$ °C to $+35$ °C and the relative humidity of the air $<75\%$.
 - If the surface does not require the fixative, it is nonetheless recommended to dampen it to prevent the wall from drawing an excessive amount of water from the binder.
 - Tools: stainless steel trowel.
 - N. coats: at least 2 coats of product must be applied to prepare the undercoat.
 - Thinning: ready to be used.
 - Being mineral based product, GRASSELLO DI CALCE can increase the viscosity during the storage; to get the original appearance is enough to stir it with a mechanical instrument, eventually adding 1% max of water.
- Application procedure:
- Fill and level in order to provide an even surface;
 - After at least 12 hours, apply an additional coat of product to obtain a suitable thickness;
 - After at least 12 hours, rub down in order to eliminate any unevenness, subsequently remove any dust and apply small amounts of material, compacting it and polishing it (using the stainless steel trowel) before it dries completely. Tools should be cleaned immediately after use with water.
 - Indicative spreading rate: $1-1.2$ kg/m² based on 2 coats on smooth surfaces featuring average absorption. It is advisable to determine the actual spreading rate by performing a preliminary test on the specific surface.

TINTING

Colors are obtainable via the Marcromie color matching system and using COLORADO series 548 colorants alkali resistant.

When using multiple batches it is recommended to remix the various products together to avoid slight differences in

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shading.

STORAGE

Maximum temperature for storage stability: +30 °C

Minimum temperature for storage stability: +5 °C

The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

SAFETY RULES

EU limit value (Dir. 2004/42/EC)

Cat. A/l: decorative effect coatings (water-base): 200 g/l (2010)

The product contains max: 30 g/l VOC

Causes serious eye damage. Causes skin irritation.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Consult the safety sheet for additional information.

SPECIFICATION ITEM

Applications, on previously prepared interior surfaces, of GRASSELLO DI CALCE mineral masonry covering series 946, with air-hardening lime base, with the application of at least 2 coats characterized by an a water vapour permeability UNI EN ISO 7783-2 high.

Supply and application of the material €. per m2.

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