

SAN MARCO

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Intonachino Minerale Grana Media

Medium-grained mineral exterior wall coating



SERIES 938

INTONACHINO MINERALE GRANA MEDIA - V.2024-09-24

DESCRIPTION

INTONACHINO MINERALE is a masonry covering for exteriors, with a mineral binder base, which enables a finish to be obtained which closely resembles that of the coloured plastering to be found in the buildings in Venice. INTONACHINO MINERALE creates a rather thick, rough coat offering outdoor resistance and featuring a high level of permeability. The product proves particularly suitable for restoration work, even in buildings of particular historical and artistic interest.

TECHNICAL SPECIFICATIONS

- Type of Binder: air-hardening lime.
 - Indoor Air Quality Classification: A+
 - Solvent: water
 - Maximum granulometry of quartz: 1,4 mm
 - Drying times (at 25 °C and 65% R.H.): touch dry in 2-3 hours; coatability after 4-6 hours (depending on the thickness applied).
 - Water permeability UNI EN 1062-3: medium, $w=0,2 \text{ kg/m}^2\text{h}^{0,5}$
 - Water vapour permeability UNI EN ISO 7783-2: high, $S_d=0,09$ thickness 0,8 mm
 - Classification of reaction to fire EN13501-1: Class A2 s1 d0
- Referred to a consumption not exceeding that indicated, and to an application on a non-combustible surface.

INSTRUCTIONS FOR USE

- May be applied on:
- New and old plasters based on hydraulic binders.
 - 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 INTONACHINO MINERALE on old synthetic paints (washable quartz emulsion paints and plastic wall coatings).
- It is not recommended for use on outdoor concrete surfaces since, due to its high permeability, the product has no protective powers against the aggression of carbon dioxides, the leading cause of concrete degradation.

PREPARING THE SURFACE

Plaster:

- Make sure that the surface has a maturing time of at least 28 days.
 - Check the state of repair. The surface must be consistent. If this is not the case, take measures to reconstruct and strengthen the surface using specific products.
 - Where the surface is affected by mould, treat the surfaces with COMBAT 222 Detergent 4810222 and with COMBAT 333 Restorer 4810333 before starting.
 - Remove any efflorescence by buffing or washing.
 - Where the surface features traces of old lime-based paint or distemper, remove any parts which are flaking or which are not perfectly adherent.
 - Cracks must be adequately widened and filled with stucco or similar products.
 - Level any unevenness on the surface. Holes, cracks and depressions can be treated using BETOMARC 9450150 or RASAMIX 9440160 or RASOMARC 9500150 according to the type of support.
 - Only in the case of particularly flaky surfaces should a coat of ATOMO 8840001 micronized solvent free fixative.
 - Proceed with the application of INTONACHINO MINERALE according to "application instructions".
- * (The dilution of the fixative and amounts to be applied depend on the absorption of the support surface, and must be determined through preliminary tests on the specific support surface - See the relevant technical data sheet).

APPLICATION INSTRUCTIONS

Tools: plastic/steel/sponge trowels.

Application procedure:

- Apply the product on the surface using the plastic trowel.
- Use the sponge trowel for the finish, smoothing before the surface of the product dries out completely.
- Do not wet the surfaces which have just been applied and dried out in order to be able to continue working: the water causes the lime to whiten.
- N. coats: 1 coat.
- Diluting: ready to be used.
- Being mineral based product, INTONACHINO MINERALE 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.
- Since the drying and carbonation of INTONACHINO MINERALE, 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%.
- Avoid applying the product in direct sunlight.
- Following the application, exterior surfaces must be protected from rain and damp until the product is completely dry, which normally occurs (at 20 °C) after approx. 72 hours.
- The exposure to the atmospheric agents, rain, high humidity, lowland temperature acclimatizes them, of the surfaces with lime finishes, can generate phenomena of whitening finishes during the carbonatization process. Such phenomenon can turn out irreversible in particularly extreme conditions.
- 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 should be cleaned immediately after use with water.

- Indicative spreading rate: 1.7-1.9 kg/sqm

per coat based 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 shading.

For outdoor tasks it is a good rule of thumb to always use material from the same batch, from corner to corner. For tasks where it is unavoidable to continue on a wall with a different batch, do not place the batches contiguously. For the transition point, use any interruptions in the continuity of the surface: moldings, corners, cables, etc.

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

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

Cat . A/c: Coatings for exterior walls of mineral substrate (water-base): 75 g/l (2007) / 40 g/l (2010)

INTONACHINO MINERALE Contains max: 30 g/l VOC

irritating to skin. / risk of serious damage to eyes. / keep out of the reach of children. / avoid contact with eyes. / in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. / wear suitable gloves and eye/face protection. / if swallowed, seek medical advice immediately and show this container or label.

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 surfaces, of INTONACHINO MINERALE coloured masonry covering for exteriors series 939/938, with air-hardening lime base, with the application of 1 coat, characterized by an a steam permeability UNI EN ISO 7783-2 high and water permeability UNI EN 1062-3 medium, with a maximum consumption of 1.3-1.5 kg/m2.

Supply and application of the material €. per m2.