

MARCOSIL KP 1,5

1.5 mm MINERAL TEXTURED WALL COATING ANTI-MOLD, ANTI-ALGAE

series 953

DESCRIPTION

It contains hydrophobic potassium silicate and mineral inert substances, it is ideal for protecting and decorating exterior wall surfaces.

With good permeability and weather resistance, it creates a compact coating which protects old thin-set mortars, traditional mortars and for restoration projects in historic city centres and.

The siloxane binder makes it water repellent and therefore highly suited for the finish coat over External Thermal Insulation Composite Systems and damp resistant systems.

INSTRUCTIONS FOR USE

Applicable to:

- External Thermal Insulation Composite Systems (ETICS).
- Plastered surfaces.
- Civil rough mortar or equivalent finished surfaces.
- For application to damp proof mortar, the steam resistance values of the mortar and the finish must be compared.
- Do not apply gypsum and gypsumboard surfaces.
- On uneven surfaces, in the presence of organic paint (washable or quartz emulsions), this product, while adhering to the support, may cause tone differences due to absorption differences.
- Use on cement surfaces is not recommended as the product, due to high permeability, cannot protect against carbon dioxide damage, the principal cause of cement degradation.

TECHNICAL SPECIFICATIONS

- Type of binder: hydrophobic potassium silicate modified with siloxane binder dispersion.
 - Viscosity: paste
 - Granulometry: 1,5 mm
 - CE marking per EN 15824
 - 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.
- Liquid water permeability per UNI EN 1062-3: medium, $w \leq 0,2 \text{ kg/m}^2\text{h}^{0,5}$
 - Water vapour transmission rate per UNI EN ISO 7783-2: high, $S_d < 0,1 \text{ m}$
 - Mould and algae resistant per UNI EN 15457 and UNI EN 15458
 - Drying time: (at 25 °C and 65% R.H.): to touch about 1 hour, complete in 24 hours.

PREPARING THE SURFACE

Plaster surfaces:

- Ensure that the surface has matured for at least 28 days.
- Check the state of maintenance. The surface must be solid. Otherwise reface or consolidate with specific products.
- Remove, brushing or washing, encrustation.
- Where painted, removed flaked and non-adherent areas,

thick layers of whitewash and/or distemper must be totally removed wetting the surface abundantly or using a water jet cleaner.

- Smooth out irregular surfaces. Holes, flaking, cracks and dips should be filled with BETOMARC 9450150 or RASAMIX 9440160 or RASOMARC 9500150.

- Remove deposits of dust, smog and similar, by brushing.

- Ensure that the support is fully dry and apply:

Unpainted surfaces: a coat of MARCOSIL PRIMER cod. 0750030 diluted at 100% with water. Dilution must be regulated for support absorption, in the case of very powdery surfaces, reduce the dilution ratio and, if necessary, apply 2 coats of primer.

- In the case of old adherent synthetic paint, apply one coat of MARCOSIL GRIP 9310019 connector primer.

- Proceed with application of MARCOSIL KP 1,5 following the instructions providing in the application section.

Surfaces with External Thermal Insulation Composite Systems.

- Make sure that the support has a maturation time that meets the manufacturers' specifications.

- Check the consistency of the smoothing coats; the surface must be smooth.

- Apply a coat of ATOMO 8840001 micronized solvent-free fixative, or MARCOTHERM PRIMER 4740019 or IDROFIS 4700006 acrylic water-based wall fixative, diluted with water according to the absorption of the surface.

- Apply MARCOSIL KP 1,5 as described in the application instructions.

Walls to be dehumidified:

- Remove the layer of plaster on the surface to a depth of approx. one metre below the layer affected by damp.

- Eliminate any saline efflorescence by buffing and washing with water, preferably using a water cleaning machine.

- Once the surface is dry, apply a coat of NEPTUNUS ANTISALE 0700240, (see relevant technical sheet).

- Wait at least 24 hours, then proceed with the application of NEPTUNUS INTONACO DEUMIDIFICANTE 9480170 and subsequently NEPTUNUS INTONACO DI FINITURA 9480180 (see relevant technical sheets).

- After at least 20 days, apply a coat of NEPTUNUS CONSOLIDANTE 0720230 anti-salt fixative .

- Proceed with the application of MARCOSIL KP 1,5 according to the procedures described under "Instructions for product application".

*(The dilution of the primer and the quantity to be applied depend on the absorption of the support and should be determined by preliminary test on the specific support).

APPLICATION INSTRUCTIONS

- Environment and support conditions:

Ambient temperature: Min. +5°C / Max. +35°C.

Relative ambient humidity: <75%.

Support temperature: Min. +5°C / Max. +35°C.

Support humidity: <10% U.R..

- Avoid application in the presence of surface condensation or in direct sunlight.

- After application, external surfaces must be protected

MARCOSIL KP 1,5

1.5 mm MINERAL TEXTURED WALL COATING ANTI-MOLD, ANTI-ALGAE

series 953

from rain and humidity until the product is fully dry which normally (at 20°C) occurs after some 48 hours.

MARCOSIL KP 1,5 like all inorganic products, is highly sensitive to environmental and support conditions, it is therefore convenient to respect the application instruction provided.

- Application on surfaces with salt efflorescence or subject to rising damp may interfere with the product's adherence to the support. It is therefore necessary to first reconstruct the masonry using dehumidifying plasters NEPTUNUS.

- The protection of anti-mold and anti-algae finishes is of sacrificial

nature: the efficacy and durability are strongly influenced by the

severity of the environmental and climatic exposure, the building

category, and the application system selected.

- Tools: steel trowel.

- Dilution: ready to use.

- Stir the product before application.

- Being mineral based product, MARCOSIL KP 1,5 can increase the viscosity during the storage; to get the original appearance is enough to add 0,5-1% max of water.

- No. coats: 1.

- Spread the product evenly by trowel and smooth it before the surface film appears, with rotary motion to achieve a spatulate effect.

- Tools should be washed with water immediately after use.

- During application, protect (screen) glass, ceramic, plastic material, metal and natural stone surfaces.

- Indicative yield: 2,3-2,5 kg/m². It is opportune to determine the effective yield with a preliminary test on the specific support.

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 storage temperature: +30°C

Minimum storage temperature: +5°C

The product should be preferably used within 1 year 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)

MARCOSIL KP 1,5 Contains max: 40 g/l VOC

irritating to eyes and skin. / Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. / 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. / do not empty into drains. / wear suitable protective clothing and gloves. / if swallowed, seek medical advice immediately and show this container or label.

The product must be shipped, used and stored in accordance with laws governing safety and hygiene.

Please refer to the safety data sheet for more information.

SPECIFICATION ITEM

1.5 mm mineral textured wall coating anti-mold, anti-algae.

The hydrophobic potassium silicate based wall covering loaded with siloxane, organic binder and marble grit dispersion having a mean particle size of 1.5 mm, is applied to previously prepared surfaces at the amount based on the surface absorption.

Supplying and application of the material € per m².

SAN MARCO GROUP guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets. For further technical information call the technical service +39 041 4569322.