

SAN MARCO

is a brand of
San Marco Group Spa

www.san-marco.com

SAN MARCO GROUP
Via Alta 10/A - 30020
Marcon (Venezia), Italia

info@sanmarcogroup.com
+39 041 4569322
www.sanmarcogroup.com

Marcosil Kp 1,2

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



SERIES 952

MARCOSIL KP 1,2 - V.2024-09-24

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.

TECHNICAL SPECIFICATIONS

- Type of binder: hydrophobic potassium silicate modified with siloxane binder dispersion.

- Viscosity: paste

- Granulometry: 1,2 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.

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.

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 1,2 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 1,2 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 1,2 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. +8°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 from rain and humidity until the product is fully dry which normally (at 20°C) occurs after some 48 hours.

MARCOSIL KP 1,2 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 1,2 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: 1,8-2 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 temperature for storage stability: +30 °C

Minimum temperature for storage stability: +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): 40 g/l (2010)

The product contains max: 40 g/l VOC

Harmful to aquatic life with long lasting effects.

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

1.2 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 1.2 mm, is applied to previously prepared surfaces at the amount based on the surface absorption.

Supplying and application of the material € per m2.