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Marcosil Pittura Riempitiva

SILICATE-BASED FILLER FOR OUTDOOR USE



SERIES 933

MARCOSIL PITTURA RIEMPITIVA - V.2025-10-07

DESCRIPTION

MARCOSIL PITTURA RIEMPITIVA is a mineral-based paint containing modified potassium silicate formulated to protect and decorate outdoor wall surfaces.

The inorganic binder chemically reacts with mineral bases in a process referred to as "silicatisation" to guarantee proper adhesion to the base.

MARCOSIL PITTURA RIEMPITIVA provides high filling and masking power. It also gives the base an excellent ability to breathe, and special water repellent substances present in the product repel water and prevent it from being absorbed.

MARCOSIL PITTURA RIEMPITIVA is particularly well suited to protection of old plaster and restoration of old buildings, as it produces a pleasant appearance rich in soft shadows.

it complies with DIN 18363 specifications.

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.
- May not be applied on gypsum or gypsumboard and old paints and coatings that are organic in nature.
- Not recommended for use on concrete surfaces as the product is highly permeable and offers no protection against the attacks of carbon dioxide, the principal cause of concrete decay.

Surfaces should be adequately prepared by following the instructions given in the paragraph 'PREPARING THE SURFACE'.

Do not apply on freshly painted surfaces.

- Type of Binder: organic stabilized potassium silicate in aqueous solution.
- The product conforms to DIN 18363 since its organic binder: <5%.

TECHNICAL SPECIFICATIONS

- Classification per UNI EN 1062-1: (paints for exterior)
- Gloss per EN ISO 2813: class G₃ (<10 matt)

- .Dry film thickness per ISO 3233: class E₃ (100-200 µm)
- .Grain size per EN ISO 1524: class S₂ (<300 µm medium)
- .Water vapour transmission rate per UNI EN ISO 7783-2: class V₁ (Sd<0,14 m high) Sd<0,1 m
- .Liquid water permeability per UNI EN 1062-3: class W₂ (0,1-0,5 medium)
- .Crack-bridging per UNI EN 1062-7A: class A₀ (no requirement)
- .CO₂ permeability per UNI EN 1062-6: class C₀ (no requirement)

Other characteristics

- Specific gravity per UNI EN ISO 2811-1: 1,50±0,02 kg/l
- Maximum filler grain size: 125 µm
- 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.- Drying time (at 25 °C and 65% R.H.): to touch in 1 hour; complete after 16 hours.

SUBSTRATE PREPARATION

Plaster surfaces:

- Make sure the base has a maturation time of at least 28 days.
- Check condition of preservation. Surface must be consistent; if this is not the case, reconstruct the surface or consolidate it with specific products.
- Remove any efflorescence by brushing or washing it away.
- Level out irregularities in the background. Holes, cracks and hollows can be treated with BETOMARC FIT 9740150, with RASAMIX FIT 9670160, with MARCOPRO 9750019/9750010 depending on the type of background.
- Brush off dust, smog and other deposits by brushing.
- Make sure that the surface is thoroughly dry, then apply:

A layer of MARCOSIL PRIMER code 075003 diluted by about 100% with water only on any portions of the base covered with plaster. Must be thinned according to the degree of absorption of the base; if the base is very powdery, decreasing dilution and, if necessary, apply 2 coats of insulation.

- Do not apply MARCOSIL PRIMER to surfaces with organic (synthetic) water-based paints.
- If there is old organic paint, it will be necessary to use MARCOSIL GRIP code 9310019 silicate connection base to even out absorption.
- Proceed to apply MARCOSIL PITTURA RIEMPITIVA as described in the instructions.

* (Dilutions of insulation and quantities to be applied depend on the absorption of the surface and must be determined with preliminary trials on the specific base.)

APPLICATION INSTRUCTIONS

- Air and support surface conditions:

Air temperature: Min. +8 °C / Max. +35 °C.

Relative humidity of the air: <75%.

Temperature of the surface to be treated: Min. +5 °C / Max. +35 °C.

Humidity of the surface to be treated: <10%.

- Do not apply in the presence of surface condensation or in direct sunlight.
- After application, outdoor surfaces must be sheltered from rain and humidity until the product has dried completely, which normally (at 20°C) takes about 48 hours.

Like all inorganic products, MARCOSIL PITTURA RIEMPITIVA is extremely sensitive to the conditions in the environment and on the base, and so it is important to comply with the above specifications.

- 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 NEPTUNUS dehumidifying plasters, then paint with the SCUDOSIL siloxanic system.

- Thinning with water: 1st and 2nd coat 35 – 40%
- Stir before application
- N. of coats: 2
- Apply to base evenly with a brush.
- Wait at least 12 hours between coats.
- Clean utensils with water immediately after use.
- Protect (shield) glass, ceramic, plastic, metal or natural stone surfaces during application.
- Approximate yield: 3.5 – 4 m²/litre on surfaces with average porosity. It is best to try using on the specific base to determine consumption.

TINTING

The product is supplied white and may be coloured using the colouring system. If separate or batches of coloured products are made or a job is completed with product made using a colour meter, mix production lots together to prevent slight differences in hue.

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.

SECURITY PROCEDURES

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.