



### DESCRIPTION

MARCOSIL DOMUS is a mineral water-based paint based on modified potassium silicate with low VOC, suitable for decorating and protecting indoor wall surfaces. High breathability, protects against the formation of mold. Matt and uniform finish.

It is suitable to be applied on synthetic paints layers.

MARCOSIL DOMUS complies with the requirements of DIN regulations 18363.

### INSTRUCTIONS FOR USE

#### May Be Applied On:

- New and old plasters based on hydraulic binders
- Concrete surfaces on interior.
- Gypsum and gypsumboard surfaces.
- Old paints and wall coatings that are organic or mineral in nature, dry, compact, absorbent and cohesive.
- Dehumidifying mortar on interior.
- 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.

### TECHNICAL SPECIFICATIONS

- Type of Binder: Synthetic polymers in aqueous dispersion
- Specific gravity per UNI EN ISO 2811-1:  $1,65 \pm 0,05$  kg/l
- Viscosity per UNI 8902:  $36000 \pm 4000$  cps at 25 °C (Brookfield viscometer)
- Gloss per UNI EN ISO 2813: 5-10 at 85°, matt
- Drying time (at 25 °C and 65% R.H.): to touch in 30 minutes; to recoat after 4 hours.

### PREPARING THE SURFACE

- Make sure the substrate is very dry and matured. If necessary, reconstruct or strengthen with specific products.
- If there is mould, treat the surface with the COMBAT 222 detergent, code 4810222, and with the COMBAT 333 sanitizing preservative, code 4810333.
- Remove any efflorescence and scaling of old paints by brushing or washing. Completely eliminate any thick layers of lime paints or tempera.
- Remove deposits of dust, smog or other material by brushing.

- Level substrate unevenness and treat holes, cracking, cracks and depressions with TAMSTUCCO 9400006/9410110; rub the fillings and patches with sand paper.
  - Seal the cracks with appropriate sealers.
  - If necessary, make fillings on the plaster with RASAMIX 9440160, BETOMARC 9450150 or with RASOMARC 9500150 depending on the type of substrate.
  - In the presence of thin layers of old tempera or chalking paints, apply the micronized solvent-free fixative ATOMO 8840001.
- Apply the anchoring base MARCOSIL GRIP 9310019 if the surfaces has different absorptions.
- Then apply MARCOSIL DOMUS.

\*(The thinning of the sealer and the amount to be applied depend on the absorption of the substrate, and are determined by performing preliminary tests on the specific substrate. Consult the relative specification sheet).

### APPLICATION INSTRUCTIONS

- Ambient and substrate conditions:  
Ambient temperature: Min. +8°C / Max. +35°C  
Relative humidity of the room: <75%  
Substrate temperature: Min. +5°C / Max. +35°C  
Substrate moisture: <10%
- Tools: brush, roller, spray gun and airless system.
- No. of coats: at least 2 coats.
- Diluting: at 35-50% with water.
- Diluting varies in airless applications, depending on the equipment and the working pressure used.
- Immediately clean tools after use with water.
- Indicative spreading rate: 10-12 sq m/l per coat based on smooth surfaces featuring average absorption. It is advisable to determine the actual spreading rate by carrying out a preliminary test on the specific surface.

### TINTING

Colors are obtainable using colorants COLORADO series 548 alkali resistant.

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

### STORAGE

Maximum temperature for storage stability: +30 °C  
Minimum temperature for storage stability: +5 °C  
Stability in the original closed containers stored at suitable temperatures: 2 years.

## **SAFETY RULES**

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

Cat. A : Matt coatings for interior walls and ceilings (gloss <math>25^{\circ}</math>) (water-base): 75 g/l (2007) / 30 g/l (2010)

MARCOSIL DOMUS Contains max: 30 g/l VOC

Irritating to eyes and skin.

Keep out of the reach of children.

In case of contact with the eyes, wash immediately in abundant water and consult a doctor.

Protect the eyes/skin.

The product must be moved, used and stored in accordance with current legislation concerning health and safety.

For further information, consult the safety data sheet.

## **SPECIFICATION ITEM**

Silicate water-based paint for indoor use Applications, on prepared surfaces, of MARCOSIL DOMUS based on stabilized potassium silicate, low VOC, organic binder

in accordance with the dispositions of DIN 18363, in at least two coats in quantities to be determined by the absorption of the surface.

*COLORIFICIO SAN MARCO 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.*