

5.4 Products for plastering & repairs

HYDROSTOP SILICONE PLASTER

Silicone based waterproof top coat plaster/ render in paste form



TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)

| | |
|---------------------------|---|
| Form - Colors | White paste - 44 HYDROSTOP SILICONE PLASTER color-chart colors |
| Bulk density | 1.90 ± 0.05 kg/lit |
| Maximum grain size | FINE: 1.0 mm & 1.5 mm / GRAFIATO: 2.5 mm |
| Water vapour permeability | V1 (EN ISO 7783 - 2, V1: High Sd <0.14 m) |
| Water absorption | W3 (EN 1062 - 3, W3: Low w ≤ 0.1 kg / m ² · h ^{0.5}) |
| Adhesion strength | 0.4 MPa (EN 1542) |
| Thermal conductivity | λ = 0.8 W/(m.K) (EN 1745) |
| Fire reaction | Euroclass C (EN 13501-1) |
| Cure time | 4-6 hours (at 23°C and 50% relative humidity in the air) |
| Application temperature | From +5°C to +35°C |

V.O.C. (Volatile Organic Compounds):

V.O.C. Limit of maximum V.O.C. content EC (Directive 2004/42/EC) for this product (category A/c: 'Coatings for exterior walls of mineral substrate' Type WB): 40 gr/lit (2010). The ready to use product contains max 39 gr/lit V.O.C.



STORAGE

Store in places protected from sunlight and frost, for at least 12 months from production date.

SAFETY DIRECTIONS

The product needs no hazard labeling under current European and National legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

PACKAGING

25kg Container on a 900kg pallet (36 pcs)

PROPERTIES

Ready for use top coat/render in paste form, available white or it can be colored. The product is also available in three different grain sizes to suit every need, with specially graded aggregates creating smooth or textured surfaces. It is resistant to sunlight, the formation of mold, algae and fungi. It reduces the possibility of deterioration/erosion of the wall structures and of the structural elements from the effect of CO₂ (carbon dioxide), as well as other problems created in external environment conditions.

APPLICATIONS

HYDROSTOP SILICONE PLASTER, FINE & GRAFIATO (Textured) is used on external surfaces as render (top coat) replacing traditional, marble based renders (pic. 2), and on interior surfaces as a decorative coat. Apply it either manually or using a rendering machine. It is applied on walls and ceilings, made from various construction materials such as plaster and concrete, drywall, cement boards, aircrete etc. It is ideal as a topcoat for external insulation systems for buildings.

ADVANTAGES

- High vapour permeability Class 1 - EN ISO 7783-2.
- Complete water repellency, per EN 1062-3.
- Excellent adhesion, high flexibility, and resistance to UV radiation.
- Resistance to alkalis, per DIN 18556.
- Does not crack or peel.
- Eliminates the need for frequent painting of the facades of buildings.
- It guarantees full waterproofing and longevity of the facades.
- High mechanical strengths and ease of application.
- CE certification per EN 15824.
- It participates as a top coat render of the system THERMOSEAL,

the External Thermal Insulation Composite System for buildings, of DUROSTICK.

Certified per **ETAG 004 (Class 1)** from the notified European Organisation OIB, with certification numbers ETA-13/0006 and ETA-13/0007, as top coat of the system.

USE

1. Surface preparation

The substrate must be dry and free of dust, oils and loose materials. Continue by priming with the special silicone based primer, HYDROSTOP SILICONE PRIMER. Prime all smooth and non absorbent surfaces with, DUROSTICK DS-260 and DS-255 (quartz primers), instead. Apply HYDROSTOP SILICONE PLASTER once the primer has fully dried.

2. Application

Before use, mix the silicone plaster well with a low rpm mixer. Confirm the quality of the substrate's flat surface, correct if necessary, and apply the material with a smooth stainless steel (pic. 1) or plastic trowel, or with proper rendering machine.

Following, 'even' out the material to the maximum grain thickness by 'pressing', with round, circular motions using a plastic float for renders, depending on the desired aesthetic effect. The working time to smooth the plaster depends on the absorbency of the substrate and the ambient temperature, after the product sets and before it completely dries, between 10 to 20 minutes.

NOTES

- Colored in 44 exceptional color chart colors and delivered factory colored.
- Color uniformity can be achieved only if the products come from the same production batch. If for any reason products from different batches are to be used, it is highly recommended to mix them together thoroughly prior to the application to avoid any discolorations.



pic. 1

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- Avoid using the product when rain is forecasted for the following hours.
- Protect the fresh surface from direct sunlight, rain and strong wind. Intense temperatures, high humidity and the substrate condition affect the final color.

CLEANING

Clean all tools and equipment with water, immediately after use.

CONSUMPTION

Hydrostop Silicone Plaster Fine

1.0mm: 1.8 - 2.0kg/m²/mm.

Hydrostop Silicone Plaster Fine

1.5mm: 2.0 - 2.3kg/m²/1.5mm.

Hydrostop Silicone Plaster Grafi-

ato 2.5mm: 2.8 - 3.2kg/m²/2.5mm.

