

HYDROSTOP ACRYLIC PLASTER FINE



Acrylic-based waterproof top coat plaster/render in paste form, fine finish



■ PROPERTIES

Ready for use white or colored, acrylic plaster in paste form. Available in two grain sizes, 1mm and 1.5mm and contains specially graded aggregates of excellent quality that make it suitable for yielding smooth finish surface. The product is resistant to UV radiation and the creation of mold, algae and fungi on its surface.

Reduces the possibility of erosion of the walls and the structure of the building from the effects of CO₂ (carbon dioxide) and other problems resulting from exposure to the exterior environment.

Suitable for interior and exterior use.

Classified as external render and internal plaster based on organic binders, per EN 15824.

The product has received an Environmental Product Declaration (EPD) following an assessment of the environmental impact of its life cycle.

Registration number: S-P-13781,
The International EPD® System.

■ ADVANTAGES:

- Complete water repellency, per EN 1062-3.
- Excellent adhesion, high flexibility, resistance to UV radiation.
- Resistant to alkalis, per DIN 18556.
- Does not crack, does not peel off.
- Eliminates the need for painting building facades.
- Provides full water protection and longevity of the facades.
- High mechanical strengths, speed, and ease of application.

■ APPLICATIONS

HYDROSTOP ACRYLIC PLASTER FINE is used as render/top coat instead of marble-based plaster(s). Indoors, it can also be used as a decorative coating. The product can be applied by hand or by plastering machine.

It can be applied to all primed building materials such as plaster, concrete, drywall, cement board, aircrete,

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on walls and ceilings etc. It participates as a top coat render to external thermal insulation systems.

■ USE

1. Surface preparation

The substrate has to be dry and free of dust, oils and loose materials. Continue by priming with the special purpose silicone-based primer HYDROSTOP SILICONE PRIMER, or the micromolar stabilizer AQUAFIX of DUROSTICK. Smooth or non-absorbent surfaces are primed using DS-290, DS-260 QUARTZ PRIMER and DS-255 (quartz primers) of DUROSTICK. Apply HYDROSTOP ACRYLIC PLASTER FINE after the applied primer has completely dried.

2. Application

After establishing that the substrate is satisfactory, sound and flat, mix the plaster well using a low-rpm electric mixer before any application. Apply the product using a smooth stainless or plastic trowel. The product can also be applied using an appropriate plastering machine. Continue by smoothing the applied paste to the thickness of the maximum grain size. Smooth by 'pressing' in circular motions using a plastic float for plasters, always depending on the desired aesthetic result required. The working time to smooth the plaster is between 10 to 20 minutes after the product sets and before it completely dries, depending on the absorbency of the substrate and the ambient temperature.

■ NOTES

- Colored in 44 exceptional color chart colors and delivered factory colored.
- Color uniformity can be achieved only if the product comes from the same production batch. If products from different batches are used, it is highly recommended to mix them together thoroughly prior to the application.
- Avoid applying the product when the surface is exposed to direct sunlight or strong winds or when there is a possibility of rain in the following hours. Intense temperature, high humidity, and the substrate can all affect the final color.

■ CONSUMPTION

• Hydrostop Acrylic Plaster Fine 1.0mm:

1.8-2.0kg/m²/mm.

• Hydrostop Acrylic Plaster Fine 1.5mm:

2.0-2.3kg/m²/1.5mm.

■ CLEANING

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

■ STORAGE

Store in places protected from sun and frost, for 18 months from production date.

■ SAFETY DIRECTIONS

The product needs no hazard labeling based on 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 600kg pallet (24 pcs).

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| TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.) | |
|--|---|
| ■ Form-Colors | White paste - 44 colors based on the HYDROSTOP SILICONE PLASTER color chart |
| ■ Bulk density | 1.90±0.05kg/l |
| ■ Maximum grain size | FINE 1.0mm & 1.5mm |
| ■ Water vapour permeability | V2 (EN ISO 7783 - 2, V2: Medium $0.14 \leq s_0 < 1.4m$) |
| ■ Water absorption | W3 (EN 1062 - 3, W3: Low $w \leq 0.1kg/m^2 \cdot h^{0.5}$) |
| ■ Adhesion strength | 0.4 MPa (EN 1542) |
| ■ Thermal conductivity | $\lambda = 0.7 \text{ W} / (\text{m} \cdot \text{K})$ (EN 1745) |
| ■ Reaction to fire per EN 13501-1 | Class C |
| ■ Cure time | 4-6 hours (at 23°C and 50% relative humidity) |
| ■ Application temperature | From +5°C to +35°C |

V.O.C. (Volatile Organic Compounds)

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

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.