

HYDROSTOP THERMO PLASTER FINE



Water repellent acrylic top coat plaster/render in paste form, fine finish



■ PROPERTIES

Ready for use, white or colored, acrylic plaster in paste form. Available in four grain sizes (0.8mm, 1mm, 1.2mm and 1.5mm), with specially graded aggregates of excellent quality that make it suitable for yielding a smooth finish surface.

It 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.

■ ADVANTAGES

- High water repellency per EN 1062-3
- Excellent adhesion, high flexibility and coverage
- Resistant to alkalis per DIN 18556
- Durable against the creation of mold, algae and fungi on its surface
- Covers construction imperfections of top coat plasters
- Does not crack, or peel

- High mechanical strength - resistance to UV radiation
- Exceptional workability, ease and speed of application
- Eliminates the necessity for painting building facades
- Variety of grain sizes and colors.

■ APPLICATIONS

HYDROSTOP THERMO PLASTER FINE is used as a 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 with a plastering machine. It can be applied to all primed building materials such as plaster, concrete, cement board, gypsum board, aircrete etc. on walls and ceilings. It participates as a top coat render for external thermal insulation systems.

■ USE

1. Surface preparation

The substrate must be dry and free of dust, oils and loose sections. Continue by priming with the special

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purpose silicone-based primer HYDROSTOP SILICONE PRIMER.

Smooth or non-absorbent surfaces are primed using QUARTZ PRIMER THERMO of DUROSTICK.

The recommended primers also function as color stabilizers (as long as they are colored in a similar color to the final coating). Apply HYDROSTOP THERMO 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. Following, spread the product to the maximum grain thickness by pressing it with round, circular motions using a plastic float for renders, depending on the desired aesthetic effect. 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

- It is colored with a coloring machine and/or delivered factory colored, in 44 color chart colors, as well as 261 additional THERMOSEAL PLASTER fan deck colors.
- Color uniformity can be achieved only if the product comes 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.
- 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.

■ CLEANING

Clean all tools and equipment with water and a detergent solution immediately after use.

■ CONSUMPTION

- **Hydrostop Thermo Plaster Fine 0.8mm:**
1.4-1.8kg/m²/0.8mm.
- **Hydrostop Thermo Plaster Fine 1.0mm:**
1.8-2.0kg/m²/mm.
- **Hydrostop Thermo Plaster Fine 1.2mm:**
1.9-2.1kg/m²/1.2mm.
- **Hydrostop Thermo Plaster Fine 1.5mm:**
2.0-2.3kg/m²/1.5mm.

■ STORAGE

Store in places protected from sunlight 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

5kg container
25kg container on a 600kg pallet (24 pcs)

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TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
■ Form - Color	Paste - White and 44 selected color chart colors, as well as 261 additional THERMOSEAL PLASTER fan deck colors
■ Bulk density	1.90±0.05kg/l
■ Maximum grain size	FINE 0.8mm, 1.0mm, 1.2mm & 1.5mm
■ Water vapor permeability	V2 (EN ISO 7783 - 2, V2: Medium $0.14 \leq s_D < 1.4m$)
■ 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	$\lambda = 0.7W / (m \cdot K)$ (EN 1745)
■ Reaction to fire	Class C
■ Drying time	4-6 hours (at 23°C and 50% relative air humidity)
■ Application temperature	From +5°C to +35°C

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

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.

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.

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HYDROSTOP THERMO PLASTER COLOR CHART OF 44 COLORS (SPECIAL ORDER)

NAME	COLOR	NAME	COLOR	NAME	COLOR	NAME	COLOR
ZEUS HTP01		ZEPHYRUS HTP12		THEMIS HTP23		ARTEMIS HTP34	
ATHENA HTP02		SEMELE HTP13		HYPERION HTP24		ICARUS HTP35	
ORPHEUS HTP03		NIREUS HTP14		ELECTRA HTP25		THETIS HTP36	
HARIS HTP04		MELANTH HTP15		ORION HTP26		PROTEUS HTP37	
NIOBE HTP05		CRONUS HTP16		HELIKE HTP27		RHEA HTP38	
PHAETHON HTP06		ARIADNE HTP17		MELITUS HTP28		POSEIDON HTP39	
DIONE HTP07		DIONYSUS HTP18		CLIO HTP29		PHOEBE HTP40	
APOLLO HTP08		CALYPSO HTP19		HEPHAESTUS HTP30		HERCULES HTP41	
DIMITRA HTP09		DAEDALUS HTP20		HERA HTP31		URANUS HTP42	
TRITON HTP10		EOS HTP21		PERSEUS HTP32		AMPHITRITE HTP43	
ANTIOPE HTP11		HERMES HTP22		AEOLUS HTP33		TITAN HTP44	

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