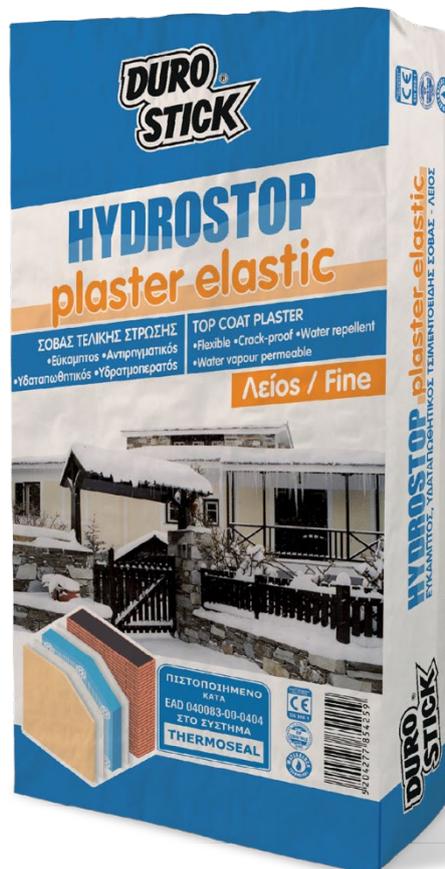


# HYDROSTOP PLASTER ELASTIC FINE



Flexible, waterproofing cementitious plaster



## ■ PROPERTIES

Flexible and waterproofing plaster, with grain size of up to 0.8mm. It contains advance new technology flexible and water repelling resins. It is ready to use by adding only water. The product is key component for external thermal insulation systems for buildings. Ideal for applications that require strong bonding strength, flexibility and elevated moisture resistance, while ensuring long-term durability and protection of the building.

Classified GP: CSIII/Wc2 per EN 998-1.

## ■ ADVANTAGES

- It offers complete water repellency per DIN 18550
- High flexibility
- Unbreakable adhesion
- Unblocked breathability
- Water vapour permeability

- Does not favour mold creation
- Does not absorb atmospheric pollutants
- Does not crack like regular plasters do
- Corrects defects up to 5mm per coat
- Can be applied over cracked but sound marble-based plasters
- Apply instead of marble-based top coats
- Easily applied by either hand or plastering machine
- It participates in the certified External Thermal Insulation System of buildings, THERMOSEAL of DUROSTICK as plastering top coat. Certified per EAD 040083-00-0404 and is in compliance with the requirements of ETA-13/0006 and ETA-13/0007.

## ■ APPLICATIONS

HYDROSTOP PLASTER ELASTIC is applied as top coat render/plaster in combination with ULTRACOLL THERMO on external thermal insulation systems for

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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buildings, such as THERMOSEAL of DUROSTICK. The product is applied on properly prepared wall surfaces (with a sound base coat) made of concrete, bricks and cement blocks, aircrete, cement and gypsum boards. Apply it on wall surfaces made of wood or sheet metal, after their preparation with the quartz-based primer, DS-260 or DS-255 of DUROSTICK. Suitable for interior and exterior use.

### ■ USE

#### 1. Surface preparation

The substrate should be free of dust, oils, and loose materials. Before application, soak the surface well. For better quality results, prime the substrate using the special preparation primer for colored plasters, HYDROSTOP PLASTER PRIMER, to prevent early dehydration and allow for the plaster to dry evenly.

#### 2. Application

Empty HYDROSTOP PLASTER ELASTIC into a clean container with cool water, at a ratio of 5.5-6.5lt water per 25kg bag of plaster. Mix using a low rpm electric mixer. Make sure that the mixture is lump free and it has been completely homogenized. **Allow the mixture to mature for 5-10 minutes and mix periodically.** Apply the product using a smooth stainless or plastic trowel, in thickness of up to 5mm. After the plaster sets, smooth the surface using a plastic float or a hard foam float for plasters. **Attention:** During the final smoothing process, the float should be slightly damp and not too wet, as there is a risk of spot discoloration of the final surface.

### ■ NOTES

- Do not mix the product with a cement mixer.
- **No improving emulsion should be added.**
- HYDROSTOP PLASTER ELASTIC should not be diluted with more water than specified.
- Do not apply at temperatures below +5°C and higher than +35°C
- Freshly coated surfaces have to be protected from high temperatures, rain and frost.
- Avoid applying the product when the surface is exposed to direct sunlight or strong winds.

• For additional protection and color maintenance in the long run (10 years) it is necessary to waterproof it using NANO PROOF CERAMIC DS-270 or the acrylic paints of DUROSTICK, 4 to 6 days after the completion of the application, always depending on the weather conditions (temperature, moisture).

### ■ CLEANING

Clean all tools and equipment with water, immediately after use. Otherwise, cleaning is performed only by mechanical means.

### ■ CONSUMPTION

1.5kg/m<sup>2</sup>/mm thick coat.

### ■ STORAGE

Store in the factory sealed packages, in dry and shaded places, for 12 months from production date.

### ■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

### ■ PACKAGING

Paper bag of 25kg on 1.500kg pallet

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TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)	
■ Form - Color	Cementitious mortar - Off white
■ Bulk density of dry mortar	1.20±0.05kg/lt
■ Bulk density of fresh mortar	1.70±0.05kg/lt
■ Maximum grain size	0.8mm
■ Water requirement	5.5lt water per 25kg of mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Maximum application thickness	Up to 5mm/coat
■ Pot life	2 hours
■ Setting time	30 min

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 1015-11, to:	
• flexion	2.00±1.00 N/mm <sup>2</sup>
• compression	7.00±1.00 N/mm <sup>2</sup>
■ Adhesion after 28 days, per EN 1015-12	≥ 1.00 N/mm <sup>2</sup>
■ Capillary water absorption (c) per EN 1015-18	0.10kg/m <sup>2</sup> .min <sup>0.5</sup>
■ Water vapour diffusion coefficient per EN 1015-19	μ15/35
■ Thermal conductivity λ <sub>10, dry</sub> per EN 1745 (Table A.12)	0.58 W/m.K
■ Reaction to fire	Class F

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Learn about insulating external vertical surfaces with the Certified in the First Class per the European standard EAD 040083-00-0404, system of external thermal insulation **THERMOSEAL**.

- Read the annual: **INTEGRATED SYSTEMS OF ENERGY UPGRADE**. Browse through it online and download it to your computer.

- Visit us at [www.durostick.com](http://www.durostick.com) for a complete presentation on the subject.

- Watch filmed applications of the Energy Upgrade Systems at the **DUROSTICK** channel in **YOUTUBE** and at the company site [www.durostick.com](http://www.durostick.com)

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