

HYDROSTOP ANTIQUE



Cement free repair and restoration plaster, based on hydrated lime and Eco-Pozzolan



■ PROPERTIES

Ready mixed, cement free resinous mortar. Based on hydrated lime, and Eco-Pozzolan as well as silicate and carbonate aggregates of consistent grain size. Distinguished by its easy workability, adhesion and durability. It allows for the breathability of the structure elements over which it is applied. Perfectly suitable for the renovation of traditional buildings, and for the restoration of deteriorated top coat plasters.

Classified R: CSII, per EN 998-1.

■ ADVANTAGES

- The total absence of cement makes HYDROSTOP ANTIQUE of DUROSTICK compatible with the restoration of monument and building surfaces, built with traditional (non-cement based) materials.
- Its exceptional water vapor permeability vests the traditional structure with breathability.
- Industrialized product with consistent quality, based on traditional construction formulas, perfected with todays know how.

■ APPLICATIONS

HYDROSTOP ANTIQUE is highly recommended and uniquely appropriate for the renovation of building and monument surfaces of historical interest, wherever technically necessary. Perfectly suitable for interior and exterior plastering and restoration of traditional building surfaces that have been constructed with timeless techniques and traditional materials such as Pozzolan, hydrated lime, ceramic powder etc. When a section or the entire existing plaster is removed, apply the product in the same way as with common (cement-based) plasters on substrates made of bricks, stones, rocks etc. Apply it in thicknesses of up to 15mm per coat.

■ USE

1. Surface preparation

To ensure proper, unbreakable adhesion of the product, the substrate must be sound and free from loose sections, dust, and oils. Simultaneously, clean and soak the substrate using a pressure washer. Maintain diligent soaking of the surface and repeat, as needed, before applying the plaster.

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2. Application

Empty 25kg mortar into 5.5-6.5lt of water and mix for about 5 minutes, using a cement mixer, a plastering machine or a clean container with a low-rpm electric mixer, equipped with the appropriate attachment. Mix until a lump free, homogeneous mass is created. Always remember to empty the mortar into the water. Once the mixture is homogenized, it acquires thixotropic properties. Apply it using a gauging trowel, a hawk/featheredge or an injection machine. After the plaster sets, smooth the surface using a plastic float or a hard-plastering float. Occasional soaking for the next 24-48 hours (depending on ambient conditions) is highly recommended to avoid premature dehydration of the product.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

1,5kg/m²/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 lime. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

■ NOTE

The addition of white DUROCOLOR POWDER-C pigment in powder form creates an almost white surface.

■ PACKAGING

Paper bag of 25kg on 1.200kg pallet

TECHNICAL SPECIFICATIONS

(Measurement conditions 20°C and 65% R.H.)

■ Form - Color	Hydrated lime mortar-salmon color
■ Bulk density of dry mortar	1.30±0.05kg/l
■ Bulk density of fresh mortar	1.80±0.05kg/l
■ Maximum grain size	1.30mm
■ Water requirement	5.5lt water in 25kg morta
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Pot life	Approximately 4 hours
■ Maximum Application thickness	15mm/coat
■ Drying time	60 minutes

PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 1015-11, in:

• flexion	1.00±0.30 N/mm ²
• compression	3.50±0.80 N/mm ²

■ Strength after 28 days, per EN 1015-12, in:

• adhesion	> 0.60±0.10 N/mm ²
■ Capillary water absorption (c), per EN 1015-18	≥ 0.30kg/m ² .min ^{0.5}

■ Water penetration after capillary water absorption test, per EN 1015-18	≤ 3mm
■ Water vapor diffusion coefficient per EN 1015-19	μ 15/35

■ Thermal conductivity λ ₁₀ , dry per EN 1745 (Table A.12)	0.80 W/m.K
■ Reaction to fire	Class A1

DUROSTICK S.A.,

MANUFACTURING OF ADHESIVES,

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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.