

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 for its high 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.

APPLICATIONS

HYDROSTOP ANTIQUE is highly recommended and uniquely appropriate for the renovation of building and monument surfaces of historical interest, wherever that is technically or aesthetically required. Its special purpose, cement free, formula allows for interventions on existing surfaces without any of the cement related risks and potential damage. Perfectly suitable for indoor and outdoor plastering and restoration of traditional building surfaces that have been constructed with timeless techniques and traditional materials such as Pozzolan, lime, ceramic powder etc. When 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.

ADVANTAGES

- The complete absence of cement makes HYDROSTOP ANTIQUE compatible and necessary for the restoration of monument and building surfaces, built with traditional (non ce-

ment based) materials.

- Its high water vapour permeability allows for the smooth breathability of all traditional structures.
- A product manufactured with consistent quality, based on traditional recipes of the past, perfected with today's know how.

USE

1. Surface preparation

To ensure proper, unbreakable adhesion of the product, the substrate has to 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.

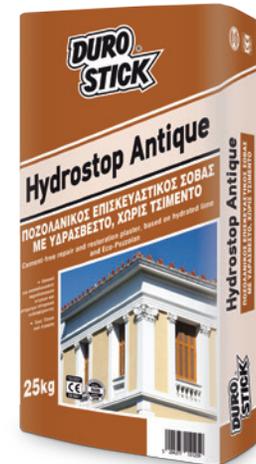
2. Application

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 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.



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

Form - Color	Hydrated lime mortar-Off white
Toxic	No
Bulk density of dry mortar	1.30±0.05 kg/lt
Bulk density of fresh mortar	1.80±0.05 kg/lt
Maximum grain size	1.30 mm
Water requirement	5.5 lt water in 25kg mortar
Application temperature	From +5 °C to +35 °C
Temperature resistance	From -35 °C to +90 °C
Pot life	4 hours
Maximum application thickness	Up to 15 mm/coat
Drying time	60 minutes

MECHANICAL STRENGTHS

Strength after 28 days, per EN 1015-11 to:	
• flexion	1.00±0.30 N/mm ²
• compression	3.50±0.80 N/mm ²
Adhesive strength after 28 days, per EN 1015-12:	>0.60±0.10 N/mm ²
Capillary water absorption (c) per EN 1015-18	≥0.3 kg/m ² .min ^{0.5}
Water penetration after capillary water absorption test, per EN 1015-18	≤3mm
Water vapour diffusion coefficient (μ), per EN 1015-19	≤15

CONSUMPTION

1.5kg/m²/mm thick coat.

STORAGE

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

SAFETY DIRECTIONS

The product contains lime. Before use, refer to the cautions on the product packaging or the Material 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 1,500kg pallet