

DUROSTICK D-42 ONE COAT



Water repellent one coat plaster



■ PROPERTIES

Ready mixed, fiber reinforced, water repellent plaster with grain size up to 1.3mm.

Its formula consists of white cement, specially graded aggregates and polymeric resins.

Distinguished for its strong adhesion, high breathability and resistance to moisture and frost. Colored in 24 permanent colors by adding pigments in powder form, DUROCOLOR POWDER-C. Use the water repellent plaster, D-42 ONE COAT, to significantly reduce the time and cost of application because the one coat plaster replaces both base and top coat as well as the painting of surfaces.

Classified OC: CSIII/Wc1, per EN 998-1.

■ ADVANTAGES

- Consistent quality.
- Excellent workability.
- Does not sag and does not crack.

- Minimal shrinkage, does not form patches.
- A single (one) coat, for ease and acceleration of projects.

■ APPLICATIONS

D-42 ONE COAT of DUROSTICK perfectly applies over properly applied scratch coat, created with either traditional plastering materials or with D-40 of DUROSTICK, the fiber reinforced scratch coat plaster. Apply the product to replace both the base and the top (marble) coat plastering on substrates made of brick, concrete blocks, concrete, aircrete, etc. Suitable for interior and exterior use.

■ USE

1. Surface preparation

All surfaces must be sound, clean, from dust, oils and loose materials, and they must be soaked thoroughly. In old masonry, but also in case of application of

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plaster D-42 ONE COAT as colored, **it is deemed necessary** to apply the colored plaster preparation primer HYDROSTOP PLASTER PRIMER to the substrate in order to prevent dehydration and the plaster dries evenly, ensuring the color uniformity across the surface.

2. Application

To prepare colored plasters, mix the innovative pigments in powder form DUROCOLOR POWDER-C in 4.5-5.0lt of clean water for each 25kg bag of plaster. In a clean cement mixer, pale or plastering machine, empty the plaster into the colored liquid. Mix until a homogeneous, colored pasty mixture with good workability is produced.

For thicknesses up to 3cm, apply the plaster in one coat using a gauging trowel and a hawk or use a plaster machine. For thicknesses greater than 3cm, complete the plastering process in two successive layers.

First apply the plaster to about half the thickness aiming for, and apply the fiberglass mesh, DUROSTICK DS-1090.

Once the first coat sets, continue plastering until the desired thickness is achieved. Once the second coat sets as well, begin to smooth the surface using a plastering float.

For the long-term waterproofing of the plaster (10 years of moisture resistance), it is recommended to use the water repellent, DUROSTICK D-18 (15 days after the plaster application completion).

Apply D-18 in 2 coats, using the 'wet-on-wet' application method, to ensure total protection without creating.

■ NOTE

Quantities of 1,800kg can be delivered colored, based on current color charts (special order with an additional cost).

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

Approximately 14kg/m²/cm thick coat.

■ STORAGE

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

■ NOTES

- It must not be applied at temperatures below +5°C and above +35°C.
- Once the plastering of a surface begins do not stop half way to prevent shading of the finished plaster
- Freshly coated surfaces have to be protected from high temperatures, rain and frost.

■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Material 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
■ Shades	24 permanent colors
■ Bulk density of dry mortar	1.37±0.05kg/lt
■ Bulk density of fresh mortar	2.00±0.05kg/lt
■ Maximum grain size	1.30mm
■ Water requirement	4.5lt water in 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Pot life	2 hours
■ Maximum application thickness	Up to 3cm/coat
■ Setting time	30 min

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 1015-11, to:	
• flexion	2.00±1.00 N/mm ²
• compression	5.00±1.00 N/mm ²
■ Adhesive strength after 28 days:	
• in standard conditions, per EN 1015-12	> 0.60 N/mm ²
• after weathering cycles, per EN 1015-21	> 0.40 N/mm ²
■ Capillary water absorption (c) per EN 1015-18	≤ 0.40kg/m ² .min ^{0.5}
■ Water vapor diffusion coefficient per EN 1015-19	μ ≤ 15
■ Thermal conductivity λ _{10, dry} per EN 1745 (Table A.12)	0.78 W/m·K
Water permeability after weathering cycles, per EN 1015-21	≤ 1ml/cm ²
Reaction to fire per EN 13501-1	Euroclass A1

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