

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. It presents strong adhesion, high resistance to frost and moisture and provides breathability to the coated surfaces. Colored in 24 permanent colors by adding the 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: C5III/Wc1, per EN 998-1.

■ ADVANTAGES

- Consistent quality.
- Excellent workability.
- Does not sag and does not crack.
- Minimal shrinkage, does not create stop marks.
- One (single) coat, for ease and acceleration of work.

■ 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

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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brick, concrete blocks, concrete, aircrte, etc. Suitable for interior and exterior use

■ USE

1. Surface preparation

All substrates must be sound, free from dust, oils and loose materials, and they must be soaked thoroughly before the application. When applying D-42 ONE COAT plaster over existing walls, but also as a colored coat, it is necessary to apply first HYDROSTOP PLASTER PRIMER to the substrate to prevent early dehydration and allow for the plaster to dry evenly, ensuring color uniformity over the entire surface.

2. Application

To prepare colored plasters, mix the innovative pigments in powder form DUROCOLOR POWDER-C in 4.5-5.0lt of clean, cool 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 paste 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, apply the plaster in two successive coats: first, apply the plaster to approximately half of its final thickness, then apply the fiberglass mesh DS-1090 of DUROSTICK. As soon as the first coat sets, continue the plastering until the final thickness is achieved. When the plaster sets, work the surface with a plastering float. For the complete waterproofing and protection of the plaster (10 years moisture resistance) the use of the water repellent agent D-18 of DUROSTICK is recommended (15 days after applying the plaster). It is applied in two coats, wet on wet, without creating a surface film.

■ TIPS

- 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.

■ 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.

■ 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
■ Colors	24 permanent colors
■ Bulk density of dry mortar	1.37±0.05kg/l
■ Bulk density of fresh mortar	1.80±0.05kg/l
■ 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
■ Water absorption (c) per EN 1015-18:	≤ 0.40kg/m ² ·min ^{0.5}
■ Water vapor permeability per EN 1015-19	μ15/35
■ Thermal conductivity λ10, dry per EN 1745	0.78 W/m·K (tab. value)
■ Water permeability after weathering cycles, per EN 1015-21	≤ 1ml/cm ²
■ Reaction to fire	Class A1

DUROSTICK S.A.,
MANUFACTURING OF ADHESIVES,
PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
Tel: +30 211 60 03 500-599, +30 210 55 16 500,
+30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22,
Tel: +30 2310 795 797, +30 2310 797 365,
Fax: +30 2310 797 367
Email: info@durostick.com