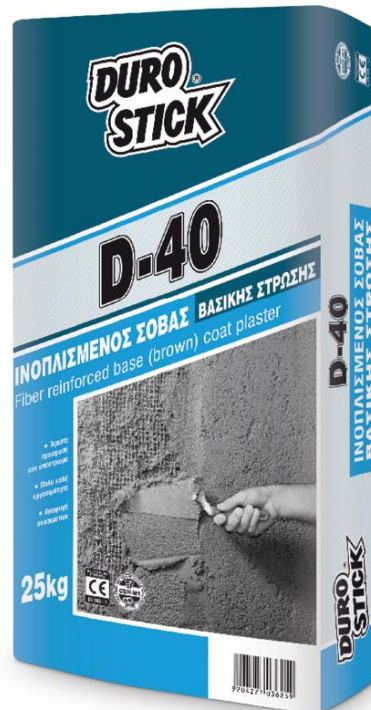


DUROSTICK D-40



Fiber reinforced scratch/base coat plaster



PROPERTIES

Ready mixed, base coat plaster without lime, suitable for plastering and scratch coat, just by adding water. Its special formula of high strength gray cement, and selected, constant size aggregates in combination with improving additives and polypropylene fibers, offers:

- Excellent adhesion to the substrate.
- Stability in large thicknesses (does not sag).
- Excellent workability.
- Double durability against impacts and exceptional resistance to frost compared to traditional (worksite prepared) plasters.
- Prevents bursting.
- Resistant to constant moisture.
- Excellent breathability of the render
- Consistent quality.
- Reduction of material waste during application and time saving for the craftsman. Classified GP:CSIV/W1, per EN 998-1.

APPLICATIONS

D-40 applies to both interior and exterior surfaces; on wall surfaces made of brick, cement

blocks and concrete. It creates a suitable substrate for the application of top coat plasters, such as D-41, the colored and water repellent plasters, HYDROSTOP DS-74 and DS-75, and the flexible plaster HYDROSTOP PLASTER ELASTIC of DUROSTICK.

USE

1. Surface preparation

All surfaces must be sound, clean, and free from loose materials, and be soaked thoroughly.

On new concrete surfaces, make sure to remove any formwork oils, if any, using the biodegradable cleaner BIOCLEAR INDUSTRIAL.

On surfaces lined with expanded or extruded polystyrene, use any one of the improving emulsion additives of DUROSTICK, D-20 or DUROSTOP at a mixing ratio of 1 part emulsion to 3 parts water or use DUROMAX, at a mixing ratio of 1 part emulsion to 5 parts water. They are recommended for achieving unbreakable bonding and avoidance of future hollowing of the traditional scratch coat plasters or the ready mixed plaster D-40 of DUROSTICK. For even more

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meticulous work, the use of the reinforcing fiber-glass mesh for plasters, DS-1090 of DUROSTICK and the installation of corner beads for protection, are also recommended.

2. Application

Empty 25kg of D-40 into 4.5lt of cool water and mix using a clean cement mixer, until the mixture is fully homogenized. Apply the plaster by using a gauging trowel and a hawk or with a plastering machine in thicknesses of up to 4cm per coat. During the summer months and after the application of D-40, the soaking of the surface is recommended, for the next two days. The finishing coat with one of the top/render coat plasters of DUROSTICK or with traditional top coat plaster should be applied one week after the completion of the D-40 application.

CLEANING

Clean all tools with water immediately after use.

CONSUMPTION

Approximately 13-14kg/m²/cm thick coat.

STORAGE

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

ATTENTION

After applying D-40 with an injection machine, careful cleaning is required of all of its components.

SAFETY DIRECTIONS

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

NOTE

After hardening, the product is harmless to health and environment.

PACKAGING

Paper bag of 25kg on 1,500kg pallet

TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)	
Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.48±0.05kg/lt
Bulk density of fresh mortar	2.00±0.05kg/lt
Maximum grain size	5mm
Water requirement	4.5lt water in 25kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -30°C to +90°C
Pot life	At least 3 hours
Maximum application thickness	Up to 4cm/coat
PRODUCT PERFORMANCES	
Strength after 28 days, per EN 1015-11, to:	
• flexion	4.10±0.50 N/mm ²
• compression	14.50±1.00 N/mm ²
Strength 28 days per EN 1015-12:	
• adhesive	0.60±0.10 N/mm ²
Capillary water absorption (c)per EN 1015-18	≤ 0.40kg/m ² .min0.5
Water vapor diffusion coefficient per EN 1015-19	μ 15/35
Thermal conductivity λ10, dry per EN 1745 (Table A.12)	1.07 W/m.K
Reaction to fire, per EN 13501-1	Euroclass A1

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DUROSTICK S.A.

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The technical specifications and directions of use contained in this technical brochure 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.