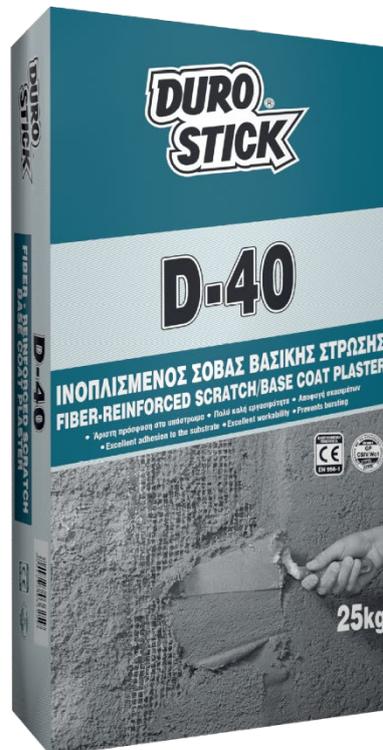


# D-40



## 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 (no sagging).
- 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/Wc1 per EN 998-1.

### ■ APPLICATIONS

D-40 applies to both interior and exterior surfaces; in 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 application surfaces must be sound, clean, and free from loose sections, and thoroughly soaked.

**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

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.

# D-40



## Fiber-reinforced scratch/base coat plaster

Following of the traditional scratch coat plasters or the ready mixed plaster D-40 of DUROSTICK. For even more meticulous work, the use of the reinforcing fiberglass mesh for plasters, DS-1090 of DUROSTICK and the installation of corner beads for protection, are also recommended.

### 2. Application

Empty 25kg of mortar into 4.5lt of cool water and mix using a clean cement mixer, until the mixture is thoroughly 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 applying of D-40, it is recommended to soak the surface for the next two days.

The finishing coat with one of the renders/top coat plasters of DUROSTICK or with traditional top coat plaster should be applied one week after completing the D-40 application.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

Approximately 13-14kg/m<sup>2</sup>/cm thick coat.

### ■ STORAGE

Store in the factory sealed packages, in dry and shaded places for 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 Safety Data Sheet.

### ■ PACKAGING

Paper bag of 25kg on 1.500kg pallet

### TECHNICAL SPECIFICATIONS

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

■ Form - Color	Cementitious mortar - Gray
■ 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 for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +90°C
■ Pot life	Approximately 3 hours
■ Maximum application thickness	4cm/coat

### PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 1015-11, in:	
• flexion	4.10±0.50 N/mm <sup>2</sup>
• compression	14.50±1.00 N/mm <sup>2</sup>
■ Strength after 28 days, per EN 1015-12, in:	
• adhesion	0.60±0.10 N/mm <sup>2</sup>
■ Capillary water absorption (c), per EN 1015-18	≤ 0.40kg/m <sup>2</sup> ·min <sup>0.5</sup>
■ Water vapor diffusion coefficient per EN 1015-19	μ 15/35
■ Thermal conductivity λ <sub>10, dry</sub> per EN 1745 (Table A.12)	1.07 W/m·K
■ Reaction to fire	Class A1

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