

DUROSTICK D-77



Resinous cement paste for smoothing cement boards from 1-10 mm/coat



PROPERTIES

Resin and fiber-reinforced cementitious paste with high coverage. Just add water to create an easy to use gray paste, with minimal shrinkage and no cracking. It covers all surface defects and applies even in large thicknesses. It is highly resistant to moisture and frost. It develops high initial and final compressive and flexural strengths. Classified GP: CS IV/W1, per EN 998-1 (CERECO code: 99/2010).

APPLICATIONS

DUROSTICK D-77 is ideal for covering all cement board imperfections, after their taping is completed. Suitable for smoothing and spackling on interior, but mainly on exterior surfaces.

USE

1. Surface preparation

To ensure proper adhesion of the product, surfaces have to be thoroughly cleaned and free from loose materials, dust, any oils etc. No priming is required but only thoroughly soak of the surfaces before applying the material.

2. Application

Empty 25kg of DUROSTICK D-77 mortar in a clean container with 8.0lt of cool water. Mix using a low-rpm drill, until a lump free, homogeneous paste is produced. Allow the mixture to mature for about 5 minutes and stir periodically without adding extra water. Continue by applying DUROSTICK D-77, on the surfaces and 'comb' using a 3x3mm and up to a 6x6mm notched trowel, always depending on the desired thickness. The recommended application thickness is 4-5mm. Encase the alkali resistant fiberglass mesh DUROSTICK DS-490 (4x4mm mesh size, 90gr/m² weight), by pressing it into the mortar with a flat trowel. Complete the work by smoothing the surface using a flat trowel and once dry, sand the entire surface. For easier sanding, finish the surface before the final hardening of the mortar. It will result in a smooth, sound surface, ready for priming and painting.

CLEANING

Clean all tools with water, immediately after use.

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CONSUMPTION

Approximately 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 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 the environment.

PACKAGING

Paper bag of 25kg on 1,050kg pallet

TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)	
Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.20±0.20kg/lt
Bulk density of fresh mortar	2.05±0.05kg/lt
Maximum grain size	0.70mm
Water requirement	8.0lt water in 25kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -30°C to +90°C
Maximum application thickness	10mm/coat
Recoating time	After 3-4 hours
Pot life	4 hours at +23°C
PRODUCT PERFORMANCES	
Strength after 28 days, per EN 1015-11, to:	
• flexion	2.50±1.00 N/mm ²
• compression	7.10±1.00 N/mm ²
Strength after 28, per EN 1015-12:	
•adhesive	> 0.50 N/mm ²
Capillary water absorption (c) per EN 1015-18	0.38kg/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)	0.84 W/m.K
Reaction to fire per EN 13501-1	Euroclass A1
<i>Experimental measurements were performed per EN 998-1 in the Chemical Laboratory of DUROSTICK and were confirmed by the CERECO audit (code 99/2010).</i>	

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.

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