

## 6.1 Spackling-repairing pastes & drywall construction reinforcement

### DUROSTICK D-77 Resinous cement paste for smoothing cement boards from 1-10mm/coat

#### PROPERTIES

Resin and fiber reinforced cementitious paste with high coverage. Suitable for smoothing and spackling interior and exterior surfaces. Just add water to create an easy to use gray paste, with minimal shrinkage and no cracking.

It covers all the 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. Once sanding is completed, surfaces are ready to be primed and painted.

#### 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. Before applying, thoroughly soak all surfaces. In this way, priming is not necessary.

##### 2. Application

Empty 25kg of DUROSTICK D-77 mortar in a clean container with 8.0lt of

cool water. Mix using a low rpm electric mixer, until a lump free, homogeneous paste is produced.

Allow for the mixture to mature for 5 minutes, and while occasional mixing is recommended during use, do so without adding extra water.

Continue by applying the resin and fiber reinforced cementitious paste, D-77 of DUROSTICK, on the surfaces and 'comb' using from a 3x3mm up to 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/m<sup>2</sup> weight), by pressing it into the mortar with a flat trowel (pic.1).

Complete the work by smoothing the surface (pic.2) using a flat trowel and once dry, sand the entire surface.

These steps result in smooth and sound surfaces that are ready for priming and painting.

For easier sanding, it is possible to finish the surfaces before the product fully cures, making sure that it has sufficiently set.

#### CLEANING

Clean all tools with water, immediately after use.



pic. 1



pic. 2



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

Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.20±0.20 kg/lt
Bulk density of fresh mortar	2.05±0.05 kg/lt
Maximum grain size	0.70 mm
Water requirement	8.0 lt water in 25kg mortar
Application temperature	From +5 °C to +35 °C
Temperature resistance	From -30 °C to +90 °C
Maximum application thickness	10 mm/coat
Recoating time	After 3-4 hours
Pot life	4 hours at +23 °C

#### MECHANICAL STRENGTHS

Strength after 28 days, per EN 1015-11, to:	
• flexion	2.50±1.00 N/mm <sup>2</sup>
• compression	7.10±1.00 N/mm <sup>2</sup>
Adhesive strength after 28 days, per EN 1015-12:	
	> 0.5 N/mm <sup>2</sup>
Capillary water absorption (c) per EN 1015-18	0.38 kg/m <sup>2</sup> .min <sup>0.5</sup>

Experimental measurements were performed per EN 998-1 in the Chemical Laboratory of DUROSTICK and were confirmed by the CERECO audit (code 99/2010).

#### CONSUMPTION

Approximately 1.5kg/m<sup>2</sup>/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