

6.1 Spackling-repairing pastes & drywall construction reinforcement

DUROSTICK D-68 Joint compound for cement boards



TECHNICAL SPECIFICATIONS (Measurement conditions 20 °C and 50% R.H.)

Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.05±0.05 kg/lt
Bulk density of fresh mortar	1.90±0.05 kg/lt
Maximum grain size	0.50 mm
Water requirement	5.6 lt water in 20 kg mortar
Application temperature	From +5 °C to +35 °C
Temperature resistance	From -30 °C to +90 °C
Pot life	3 hours at +23 °C
Chlorides content, per EN 1015-17	<0.05%

MECHANICAL STRENGTHS

Strength after 28 days, per EN 12190, to:	
• Flexion	5.50±1.00 N/mm ²
• Compression	30.00±2.00 N/mm ²
Adhesion to concrete, per EN 1542	> 1.30 N/mm ²
Adhesion after 50 freeze-thaw cycles, per EN 13687-1	≥1.00 N/mm ²
Capillary water absorption w, per EN 13057	w < 0.5 kg/m ² .h ^{0.5}

CONSUMPTION

100-150gr per linear meter, depending on the width and depth of the joint.

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 20kg on 1,200kg pallet

PROPERTIES

Resinous and fiber reinforced cementitious product. It is thixotropic and ideal for taping cement boards. Distinguished for its high strength and strong adhesion. It does not crack, even when applied in widths of up to 15mm. Just add water to create an easy to use gray paste, with negligible shrinkage. It does not create surface defects, and it is highly resistant to moisture. It has very good workability, it is easy to sand and gives a smooth finish.

Classified PCC R2, as concrete repair product, per EN 1504-3.

APPLICATIONS

DUROSTICK D-68 is suitable for taping cement boards, always in combination with the use of the reinforcing adhesive tape, DUROSTICK DS-230. It is also suitable for spackling the screw holes related to cement board installations. It is ideal for sealing cracks and holes with depths and widths of up to 15mm, on any mineral surfaces besides cement boards.

USE

1. Surface preparation

Cement boards have to be stable and free from dust and loose materials. Their mounting screws must not protrude and set at the right depth.

It is necessary to soak the surface before taping.

2. Application

Empty 20kg of mortar D-68 of DUROSTICK in a clean container with 5.6lt of cool water. Mix using a low rpm electric mixer, until a lump free, homogeneous and thick paste is produced that is suitable for taping. Apply the mortar over the joints to create an appropriate substrate. Install the fiberglass tape over the mortar and press with a flat trowel until it is completely encased.

Apply each additional coat only after the previous one is dry.

Sand the finish surface smooth and remove the dust.

Allow the mortar to dry for at least 3 hours. Continue by applying the resin and fiber reinforced cementitious paste, DUROSTICK D-77. 'Comb' the mortar on the surface using from a 3x3mm up to 6x6mm notched trowel, always depending on the desired thickness.

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.

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

CLEANING

Clean all tools with water, immediately after use.

