

D-3



Glass block adhesive



■ PROPERTIES

Acrylic, cementitious, white adhesive of high strength, suitable for glass block installations. Distinguished for its exceptional workability, strong adhesion and highly resistant to abrasion, moisture and frost. Does not sag on vertical surfaces and does not shrink. It prevents the initial or future development of surface hairline cracks in the grouted joints.

Classified as general purpose masonry mortar per EN 998-2.

■ APPLICATIONS

DUROSTICK D-3 adhesive is easily applied to any type of glass block, for both interior and exterior spaces. If it is necessary to use steel reinforcement during the construction of the glass blocks, it must be completely coated around with the mortar.

The addition of acrylic emulsion DUROSTICK D-20 or DUROSTOP to the mixing water, in a ratio of 1 part emulsion to 2 parts water, increases the flexibility of the adhesive, ensuring excellent performance for expansions, contractions and natural or artificial vibrations.

It will also decrease the absorbency of the grout, preventing mud rain and pollutants from sticking to the surface after completion.

■ USE

1. Surface preparation

The glass blocks must be dry and free from dust, oils etc.

2. Application

Empty 25kg of mortar into a clean container with 5.5-6.0lt of cool water (1.1-1.2lt for 5kg). Mix with a low-rpm electric mixer until a lump free,

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homogeneous mass is created. Allow for the mixture to mature for 5-10 minutes, and mix periodically, without adding extra water.

Apply the mixed product with a gauging trowel. Continue by grouting, using the clean residues of the adhesive resulting from the installation. Optionally, if a contrasting color is needed, grout the glass blocks using DUROSTICK VITREOUS GROUT 5-20mm sanded tile grout, available in 4 permanent colors.

■ CONSUMPTION

12-15kg/m², depending on the size and type of the glass block.

■ STORAGE

25kg Paper bag with valve: 12 months from production date.

5kg Plastic bag: 18 months from production date. Store in the factory sealed packages, in dry and shaded places.

■ SAFETY DIRECTIONS

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

■ PACKAGING

Carton box with 4 bags 5kg in 720kg pallet
25kg paper bag in a 1.500kg pallet

TECHNICAL SPECIFICATIONS

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

■ Form - Color	Cementitious mortar - White
■ Maximum grain size	0.6mm
■ Bulk density of dry mortar	1.40±0.05kg/lt
■ Bulk density of fresh mortar	1.80± 0.05kg/lt
■ Water requirement	5.5lt water for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Pot life	Approximately 2.5 hours
■ Application open time	Approximately 10 minutes
■ Time for minor adjustments	5-8 minutes

PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 1015-11, in:	
• flexion	4.40±1.00 N/mm ²
• compression	20.00±1.50 N/mm ²
■ Adhesive strength after 28 days, per EN 1015-12:	
• Adhesion	≥ 0.80±0.10 N/mm ²
■ Capillary water absorption (c), per EN 1015-18	≤ 0.30kg/m ² min ^{0.5}
■ Reaction to fire	Class A1

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