

5.2 Special building mortars

DUROSTICK D-3 Glass block adhesive



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

Form - Color	Cementitious mortar - White
Toxic	No
Maximum grain size	0.6 mm
Bulk density of dry mortar	1.40±0.05 kg/lit
Water requirement	5.5lit water in 25 kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -35°C to +90°C
Pot life	2.5 hours
Open time	10 minutes
Time for minor adjustments	5-8 minutes

MECHANICAL STRENGTHS

Strength after 28 days, per EN 1015-11, to:	
• 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	≥0.80±0.10 N/mm ²
Capillary water absorption (c), per EN 1015-18	≤0.3 kg/m ² min ^{0.5}

NOTE

After hardening, the product is harmless to health and the environment.

PACKAGING

Carton box with 4 of 5kg each one
Paper bag of 25kg on 1,500kg pallet

PROPERTIES

Cementitious acrylic high-stand-ard white adhesive, suitable for glass block bonding and joint filling.

It has strong adhesion and high strength, it does not sag and it is highly resistant to moisture and frost.

It prevents initial or future developments of surface hairline cracks on the grouted joints and meets the requirements of DIN 18175 for the construction of building glass blocks.

APPLICATIONS

DUROSTICK D-3 adhesive is easily applied to any type of glass block, both indoors and out.

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 D-20 or DUROSTOP of DUROSTICK in the mixing water at a ratio of 1 part emulsion to 2 parts water, increases the flexibility of the adhesive.

The addition will ensure its excellent performance in contractions and natural or artificial vibrations.

It will also decrease the absorbency of the grout so, after its completion, mud rain will not stick to the surface.

USE

1. Surface preparation

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

2. Application

Empty 25kg of D-3 mortar in a clean container with 5.5-6.0lit of cool water (1.1-1.2lit for 5kg). Mix with a low rpm electric drill until a lump free, homogeneous mass is created.

Allow for the mixture to mature for 5-10 minutes, stirring periodically, without adding extra water.

Apply the mixed product with a gauging trowel. Continue by grouting, using the residue 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 Material Safety Data Sheet.

