

# DUROSTICK D-3



Glass block adhesive



## PROPERTIES

Cementitious acrylic high standard white adhesive, suitable for installing glass blocks. Distinguished for its exceptional workability, strong adhesion and its abrasion resistance. The product is resistant against moisture and frost. It does not sag on vertical applications and it does not shrink. It prevents initial or future developments of surface hairline cracks on the grouted joints. Meets the requirements of DIN 18175 for building glass blocks.

## 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 'behavior' in contractions and natural or artificial vibrations. It will also decrease

the absorbency of the grout so, after its completion, mud rain and pollutants 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 5.5-6.0lt of cool water (1.1-1.2lt for 5kg). Stir with a low-rpm 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 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.

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### CONSUMPTION

12-15kg/m<sup>2</sup>, depending on the size and type of the glass block.

### STORAGE

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

**5kg Plastic bag:** At least 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.

### NOTE

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

### PACKAGING

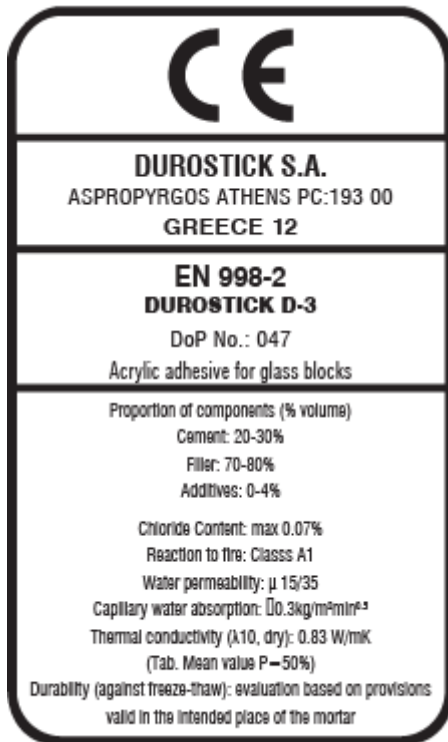
Carton box with 4 bags 5kg in 900kg pallet  
25kg paper bag in a 1,500kg pallet

<b>TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)</b>	
<b>Form - Color</b>	Cementitious mortar - White
<b>Toxic</b>	No
<b>Maximum grain size</b>	0.6mm
<b>Bulk density of dry mortar</b>	1.40±0.05kg/lt
<b>Bulk density of fresh mortar</b>	1.84± 0.05kg/lt
<b>Water requirement</b>	5.5lt water in 25kg mortar
<b>Application temperature</b>	From +5°C to +35°C
<b>Temperature resistance</b>	From -35°C to +90°C
<b>Pot life</b>	At least 2.5 hours
<b>Application time open</b>	At least 10 minutes
<b>Time for minor adjustments</b>	5-8 minutes
<b>PRODUCT PERFORMANCES</b>	
<b>Strength after 28 days, per EN 1015-11, to:</b>	
• flexion	4.40±1.00 N/mm <sup>2</sup>
• compression	20.00±1.50 N/mm <sup>2</sup>
<b>Adhesive strength after 28 days, per EN 1015-12:</b>	
• Adhesion	≥ 0.80±0.10 N/mm <sup>2</sup>
<b>Capillary water absorption (c), per EN 1015-18</b>	≤ 0.30kg/m <sup>2</sup> min0,5
<b>Reaction to fire, per EN 13501-1</b>	Euroclass A1

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## DUROSTICK S.A.

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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.