

# D-5



## Cementitious acrylic adhesive for decorative bricks & stones



### ■ PROPERTIES

Coarse, cementitious acrylic adhesive, reinforced with resins, suitable for coat thicknesses of up to 15mm. It has strong adhesion, and high bonding strength, zero vertical slip, durable against temperature variations and moisture.

The adhesive is specially modified, so that during the installation of decorative bricks, its residues can be used as grouting for the lining.

Classified C2T per EN 12004.

### ■ APPLICATIONS

DUROSTICK D-5 adhesive is suitable for linings with cement or ceramic bricks as well as with irregularly shaped stone slabs. Use it to install both interior decorative finishes and exterior building facade linings.

The product is also suitable for the installation of stone slabs, cement tiles, and natural stone on both walls and floors.

The addition of the acrylic emulsion D-20 or DUROSTOP of DUROSTICK, in the mixing water

at a ratio of 1 part emulsion to 2 parts water or DUROMAX at a ratio of 1 part emulsion to 5 parts water increases the flexibility of the adhesive, ensuring excellent performance in intense expansions and contractions as well as natural or artificial vibrations.

### ■ USE

#### 1. Surface preparation

The application surface must be clean, free of loose materials, dust and paints. Soak the surface well before application. Prime unsound surfaces using the micromolar stabilizer, AQUAFIX or the acrylic emulsion D-20 of DUROSTICK, diluted with water at a ratio of 1 part D-20 to 2 parts water.

#### 2. Application

**a) Installation:** Empty 25kg of D-5 into a container with 5.5lt of clean, cool water. Mix with a low-rpm electric mixer or use a clean cement mixer, until a lump free, homogeneous mass is created.



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

The mixture remains workable for 1.5-2 hours.

Depending on the application, apply the adhesive using a gauging trowel or a notched trowel.

The open time of the applied adhesive may be reduced to just a few minutes, when applied to very absorbent substrates.

**b) Grouting:** After the installation of decorative bricks or stones and within 8-10 minutes, smooth the grout joint from the residue of the adhesive by using the appropriate pointing tool or a thin rounded blade. Finish with a clean, damp soft sponge. Remove any residues with a clean, damp sponge, within 15 minutes of completion of the application.

### ■ NOTE

The white adhesive can be colored with the pigments in powder form DUROCOLOR POWDER-C in 96 permanent colors when also used as a grouting material.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

5-10kg/m<sup>2</sup>, depending on the surface smoothness, as well as the width and the depth of the joints.

### ■ STORAGE

Store in the factory sealed packages, in dry and shaded places for 12 months from production date.

### ■ SAFETY DIRECTIONS

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

### ■ PACKAGING

Paper bag of 25kg on 1.500kg pallet

### TECHNICAL SPECIFICATIONS

(Measurement conditions 23°C and 50% R.H.)

■ Form - Color	Cementitious mortar - White, gray
■ Colors	The white mortar can be colored in 48 colors by adding pigments in powder form, DUROCOLOR POWDER-C, yielding 96 colors
■ Bulk density of dry mortar	1.40±0.05kg/l
■ Maximum grain size	1.0mm
■ Water requirement	5.5lt water for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 15mm
■ Pot life	Approximately 2 hours*
■ Time for minor adjustments	10 minutes

### PRODUCT PERFORMANCES

■ Open adhesion time, per EN 1346	20 minutes*
■ Slip per EN 1308	≤ 0.5mm
■ Adhesive strength per EN 1348 after:	
• 28 days	1.70 N/mm <sup>2</sup>
• Thermal ageing at +70°C	1.20 N/mm <sup>2</sup>
• Water immersion for 21 days	1.30 N/mm <sup>2</sup>
• 25 freeze - thaw cycles	1.40 N/mm <sup>2</sup>

\*Depending on the weather conditions (temperature, humidity).

**NOTE:** Exceeds the requirements of the standard for C2 adhesive.

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