

# D-4



## Natural stone grout for joints 8-50mm



### ■ PROPERTIES

Polymer modified, resinous grout made with selected aggregates and high strength cement, available in white and gray color. Creates joints without salts and impurities, in contrast to the traditional way of jointing with beach sand. It is water repellent, highly resistant to abrasion, moisture and frost. It has strong adhesion to the sides of stone slabs, without cracking or detaching.

Classified as grout CG2/WAr, per EN 13888.

### ■ APPLICATIONS

D-4 grout is suitable for walls lined with stone slabs, and more so for floors lined with any type of slate, for both interior and exterior surfaces. The choice of its white color on floors covered with natural stone slates, creates a unique aesthetic image of the traditional Aegean style.

### ■ USE

#### 1. Surface preparation

Remove from the surface any residues of adhesive or screed material and clean the joints with a damp sponge.

#### 2. Application

Empty 25kg of mortar into a clean container with 5.0-5.5lt of cool, clean water. Mix with a low-rpm electric mixer until a lump free, homogeneous mass is created. Allow for the mixture to mature for 5-10 minutes, until it becomes a viscous paste. Fill the joints using either a grouting bag, a grouting float or the versatile professional barrel gun, DUROSTICK DUROSEAL 600. 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, increases the flexibility and water tightness of the grout.

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When the grout begins to set, remove any residue with a damp sponge. Once the grout is hard, smooth it with a soft damp sponge.

Allow for 28 days to pass and clean the slabs/slats using the natural stone cleaner DUROSTICK D-7, when you need to remove any construction residues. For regular stone cleaning, use the biodegradable cleaner, BIOCLEAR for polished marble and decorative bricks, stones etc.

To protect all stone/slate-lined floors next to gardens, it is highly recommended to apply on them a preventive impregnation coat. Use the silicone-based, stone waterproofing agent, RENOLIT of DUROSTICK, to protect the stone/slate from rising damp long term.

If the aesthetic style dictates to highlight the stone veining, to give the 'permanent wet' look and to shine at the same time, then apply 2-3 coats of the solvent-based stone varnish, D-12.

If you want a matte finish, apply the solvent-based varnish, VISTA or the two-component varnish DECOFIN POLYURETHANE of DUROSTICK.

On surfaces such as balconies or terraces, it is recommended to create an expansion joint of 1 to 2cm every 20m<sup>2</sup> and to seal it with the polyurethane sealant DUROFLEX-PU, after priming with PRIMER-PU and filling the joints with the polyethylene backer rod, DS-265 wherever this is deemed technically necessary.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

Approximately 3-4kg/m<sup>2</sup>, depending on the stone sizes, 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 color product can be colored with the 48 pigments in powder form DUROCOLOR POWDER-C, creating 96 unique colors
■ Bulk density of dry mortar	1.40±0.05kg/lt
■ Bulk density of fresh mortar	1.90±0.05kg/lt
■ Maximum grain size	Up to 1.3mm
■ Water requirement	5.0lt water for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +80°C
■ Pot life	Approximately 3 hours
■ Foot traffic	After 8 hours

### PRODUCT PERFORMANCES

■ Strength after 28 days, per EN 12808-3, to:	
• flexion	8.10±1.0 N/mm <sup>2</sup>
• compression	45.00±2.0 N/mm <sup>2</sup>
■ Adhesion after 25 freeze-thaw cycles, per EN 12808-3, to:	
• flexion	8.10±1.0 N/mm <sup>2</sup>
• compression	45.00±2.0 N/mm <sup>2</sup>
■ Shrinkage per EN 12808-4	≤ 2 mm/m
■ Abrasion resistance per EN 12808-2	≤ 1.000 mm <sup>3</sup>
■ Water absorption, per EN 12808-5:	
• after 30 min	≤ 2 gr
• after 240 min	≤ 5 gr

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