

# VITREOUS TILE & STONE GROUT



Sanded 5-20mm



## ■ PROPERTIES

Cementitious colored grout with selected quartz aggregates, reinforced with special acrylic polymer resins. The resulting finish surface of the grout is vitreous/porcelain-like and water repelling, while it does not allow for the accumulation of dirt and bacteria. It applies easily and cleans rapidly, presenting exceptional color stability and uniformity. It is resistant to both moisture and abrasion. Classified CG2/WAR per EN 13888.

The product has received an Environmental Product Declaration (EPD) following an assessment of the environmental impact of its life cycle.

Registration number: S-P-13778,  
The International EPD® System.

## ■ APPLICATIONS

Suitable for grouting widths from 5-20mm, and rough surface tiles, rustic and cotto, decorative bricks as well as natural and artificial stones, for floors and walls, indoor and outdoor.

## ■ USE

### 1. Surface preparation

Remove from the tile surface all adhesive residues and clean the grout joints with a damp sponge. For outdoor areas, it is recommended that on every 16-20m<sup>2</sup>, we create and prime the expansion joints with PRIMER-PU and after we place the closed cell backer rod DS-265 and we apply the elastomeric polyurethane sealant DUROFLEX-PU to fill them out. It is highly recommended that perimeter expansion joints of 5-8mm are created as well. Create expansion joints between the tiles and vertical surfaces, and fill in the same way as described above, thus reducing the compression of the joints from expansions and contractions. Alternatively apply DS POLYMER, available in 32 colors (same with the grout colors of DUROSTICK), to ensure sealing without cracking at the junction of the tiles with the skirting and above it as well. For floors with radiant heating systems, it is recommended to create expansion joints every 20m<sup>2</sup>, by also using DS POLYMER. Use DS POLYMER,

# VITREOUS TILE & STONE GROUT



## Sanded 5-20mm

available in 32 colors, to prevent the appearance of hairline cracks on the surface of the grouting material, and the consequent detachment of tiles.

### 2. Application

Empty the powder into a clean container with cool water, at a ratio of 1-1.4lt of water to 5kg of powder, and mix with a low speed electric mixer, until a lump free, homogenous mass is created. Allow the mixture to mature for 5-10 minutes and mix periodically, without adding extra water.

Apply the grout using a grouting float working diagonally towards the grout joints, without leaving any gaps or residue. When the grout begins to set, remove the residue using a damp sponge. Finally, when the material cures completely, clean/shine the surface with a dry cotton cloth. The addition of DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of two parts water to one part emulsion, increases its impermeability and resistance to temperature variations (balconies, terraces, radiant heating)

### ■ NOTES

- When grouting coarse, absorbent or else, natural or artificial stones, using the versatile DUROSEAL 600 gun, helps to create only minimum excess/waste material and the easy cleaning of the surfaces.
- Avoid grouting at temperatures above 35°C when the surface is exposed to sunlight, thus preventing cracking. If this is unavoidable, cover with wet burlap or polystyrene slabs the still wet grouted surface.
- When working with rustic or absorbent cotto (terracotta) tiles, apply 2 coats of the waterproofing and oil repelling agent, DUROSTICK D-29 SPOT FREE or NANO PROOF MARMO DS275, to facilitate easier cleaning and to avoid staining from the residues of the grout.
- Allow 20 days to pass before cleaning all debris and grout residues, using the DUROSTICK ACID TILE CLEANER, but only when the tiles are not absorbent.

### ■ USEFUL TIP

DUROSTICK grouts are available in a variety of colors able to meet every styling requirement in relation with the lining. Furthermore, it is possible to color

the DUROSTICK grouts, using the DUROCOLOR POWDER-C system. Color the white grouts based on the existing color chart or experiment creating unique colors or shading combinations.

### ■ CONSUMPTION

The following table is the indicative consumption, depending on the width and the depth of the joint, as well as the dimensions of the tiles.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

The following table is the indicative consumption, depending on the width and the depth of the joint, as well as the dimensions of the tiles.

TILE DIMENSIONS (cm)	JOINT WIDTH (mm)				
	5	8	12	15	20
30 x 30 x 1	500	800	1180	1480	1940
40 x 40 x 1	400	600	900	1110	1460
50 x 50 x 1	300	400	600	900	1180

The consumption rates refer to gr/m<sup>2</sup>

### ■ STORAGE

Store in the factory sealed packages, in dry and shaded places, for 18 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

Carton box with 4 pcs of 5kg each one, on 720kg pallet.

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TECHNICAL SPECIFICATIONS (Measurement conditions: 23°C and 50% R.H.)	
■ Form	Cementitious mortar
■ Color	4 permanent colors. with the ability to mix
■ Bulk density of dry mortar	1.45±0.05kg/lt
■ Bulk density of fresh mortar	1.80±0.05kg/lt
■ Water requirement	0.8 to 1.1lt water to 5kg mortar, depending on the color
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +80°C
■ Pot life	3 hours
■ Grouting time after tile installation	4-8 hours on walls, 24 hours on floors, 2-3 hours for fast setting adhesive on floors, 1 hour for fast setting adhesive on walls
■ Foot traffic	After 8 hours
■ Acid resistance	Excellent when pH > 3 (thinned)

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 12808-3, in:	
• Flexion	6.00±0.80 N/mm <sup>2</sup>
• Compression	38.00±1.50 N/mm <sup>2</sup>
■ Strength after 25 freeze-thaw cycles, per EN 12808-3, in:	
• Flexion	6.00±0.80 N/mm <sup>2</sup>
• Compression	38.00±1.50 N/mm <sup>2</sup>
■ Shrinkage per EN 12808-4	≤ 1 mm/m
■ Abrasion resistance per EN 12808-2	≤ 1.000mm <sup>3</sup>
■ Water absorption per EN 12808-5	
• After 30 minutes	≤ 2gr
• After 240 minutes	≤ 5gr

## COLOR CHART OF VITREOUS GROUTS

Packaging 5kg



 WHITE No 301	 LIGHT GRAY No 302
 DARK GRAY No 303	 BEIGE No 307

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