

VITREOUS FOR TILE & MARBLE



Fine 1-10mm



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, having exceptional color stability and uniformity. It is resistant to both moisture and abrasion.

Classified CG2/WAr per EN 13888.

APPLICATIONS

Suitable for grouting widths from 1-10mm, both indoors and out, wall and floor surfaces lined with ceramic tiles, granite and mosaic. It is suitable to apply on heavy traffic areas (airports, super markets, restaurants), as well as spaces with permanent and high moisture levels, such as bathrooms, balconies, terraces and kitchens.

USE

Surface preparation

Remove from the tile surface all adhesive residues and clean the grout joints with a damp sponge. For exterior surfaces, the creation of expansion joints every 16-20m² is recommended. Prime the joints using PRIMER-PU and install the backer rod DS-265. After 2-3 hours, apply the elastomeric polyurethane sealant DUROFLEX-PU to fill the joints. Also the creation of perimeter expansion joints, 5-8mm wide, both indoors and out, is strongly recommended. 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 interior floors with radiant heating systems, it is recommended to create expansion joints every 20m². The use of DS POLYMER, available in 32 colors, will prevent

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the appearance of hairline cracks on the surface of the grouting material, and the consequent detachment of tiles.

Application

Empty the mortar into a clean container with cool water, at a ratio of 1.1-1.4lt of water to 5kg of mortar, and mix with a low rpm electric mixer, until a lump free, homogeneous 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 residues. When the grout begins to set, remove the residues 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 systems). If a higher degree of flexibility is required, then use the FLEXIBLE & OIL REPELLENT GROUT of DUROSTICK, for tiles and marble. For spaces highly resilient to strict hygiene requirements, the use of the epoxy grout DUROPOXY of DUROSTICK is highly recommended.

NOTES

- 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 boards 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 DS-275, to facilitate easier cleaning and to avoid staining from the residues of the grout. Use the 'wet-on-wet' application method.
- Allow for 20 days to pass from the completion of the grouting before cleaning all debris and grout residues, using the DUROSTICK ACID TILE CLEANER, but only when the tiles are not absorbent.

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.

TILES DIMENSIONS (cm)	JOINT WIDTH (mm)			
	2	5	8	10
2 x 2 x 0,38 (mosaic)	1300	-	-	-
5 x 5 x 0,40 (mosaic)	450	-	-	-
10 x 10 x 0,60	350	500	840	1350
20 x 30 x 0,90	200	300	530	850
30 x 30 x 1	190	280	470	750
40 x 40 x 1	140	210	350	560
50 x 50 x 1	110	170	280	450
60 x 120 x 1,10	80	110	200	310

The consumption rates refer to gr/m2

STORAGE

Store in the factory sealed packages, in dry and shaded places, for at least 18 months from production date.

SAFETY DIRECTIONS

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

HELPFUL 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.

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	38 permanent colors with the ability to mix.
Toxic	No
Bulk density of dry mortar	1.10±0.05kg/lt
Bulk density of fresh mortar	1.70±0.05kg/lt
Water requirement	1.1 to 1.4lt 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	7.50±0.80 N/mm ²
Compression	40.00±1.50 N/mm ²
Strength after 25 freeze-thaw cycles, per EN 12808-3, in	
Flexion	5.00±0.80 N/mm ² ,
Compression	40.00±1.50 N/mm ²
Shrinkage per EN 12808-4:	≤1 mm/m
Abrasion resistance per EN 12808-2	≤1.000 mm ³
Water absorption per EN 12808-5	
after 30 minutes	≤ 2 gr
after 240 minutes	≤5 gr

DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS & MORTARS

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