

VITREOUS TILE GROUT Fine1-10mm



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

Form	Cementitious mortar
Color	32 permanent colors. The white grout can be colored for additional choices
Toxic	No
Bulk density of dry mortar	1.10±0.05 kg/lt
Bulk density of fresh mortar	1.70±0.05 kg/lt
Water requirement	1.1 to 1.4 lt 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
Abrasion resistance per EN 12808-2	≤1.000 mm ³
Acid resistance	Excellent when pH>3 (thinned)

MECHANICAL STRENGTHS

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	7.50±0.80 N/mm ²
• compression	40.00±1.50 N/mm ²
Shrinkage per EN 12808-4	≤1 mm/m
Water absorption per EN 12808-5:	
• after 30 minutes	≤2 gr
• after 240 minutes	≤5 gr

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)			
	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

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

It is suitable for grouting at widths from 1-10mm, both indoors and out, wall and floor surfaces lined with ceramic tiles, granite and mosaic (pic.1-5).

It is suitable to apply on heavy traffic areas (airports, super markets, restaurants), as well as areas with permanent and high moisture levels, such as bathrooms, balconies, terraces and kitchens (pic.6).

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 16-20m², we create and prime the expansion joints with PRIMER-PU and after 2-3 hours, we apply the elastomeric polyurethane sealant DUROFLEX-PU to fill them out. To prevent the appearance of hairline cracks on the surface of the grouting material, and the consequent detach-

ment of tiles, the creation of perimeter expansion joints, 5-8mm wide, is strongly recommended. Create expansion joints between tiles and vertical surfaces (plaster, skirting etc.) and fill it in the same way as described above.

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

2. 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 residue (pic. 2). When the grout begins to set, remove the residue using a damp sponge (pic. 3). Finally, when the material cures completely, clean/shine the surface with a dry cotton cloth (pic.4). The addition of DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of two parts water to one



pic. 1

part emulsion, increases its impermeability and resistance to temperature variations (balconies, terraces, radiant heating).

If a bigger degree of flexibility is required, then use the FLEXIBLE & OIL REPELLENT grout of DUROSTICK, for tiles and marble.

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 slabs the still wet grouted surface.
- When working with rustic or absorbent cotto

(terracotta) tiles, apply 2 coats of the water-proofing 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. For the application, use the 'wet-on-wet' method.

- 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.

STORAGE

Store in tightly closed packages, in dry and shaded

places for at least 18 months after production date.

CLEANING

Clean all tools with water, immediately after use.

SAFETY DIRECTIONS

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

PACKAGING

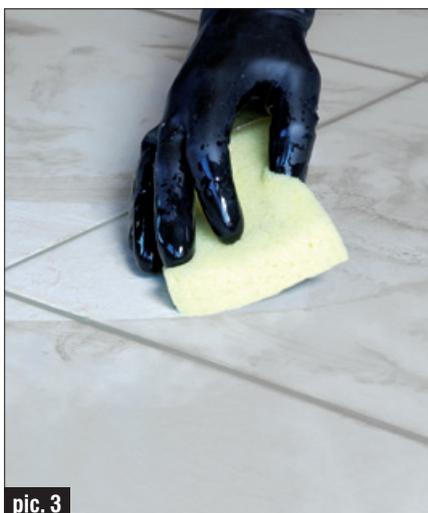
Carton box with 4 pcs. of 5kg each one, on 720kg pallet.

HELPFUL TIPS

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.



pic. 2



pic. 3



pic. 4



pic. 5



pic. 6