

FLEXIBLE & OIL REPELLENT GROUT



Tile & Marble Grout for 1-8mm joints



■ PROPERTIES

Flexible, water repellent and anti-frost tile grout in powder form, with advanced new technology flexible water repellent resins and special fillers. An innovative product, the first flexible, one-component joint filler that works as tile grout. It presents high mechanical strength, it does not crack, even under the most adverse environmental conditions, with excellent resistance to acids, alkalis, strong cleaners, as well as certain solvents and chlorinated water. It has excellent workability and its adhesion to the sides of tiles is exceptional. Durable against staining from water and coffee, oil, wine etc. It does not favour mold, fungi, and bacteria formations. Classified CG2/WAr per EN 13888.

■ ADVANTAGES

- High flexibility and long service life.
- Excellent adhesion and ease of application.
- Does not crack or dust.

- Excellent waterproofing and breathability that protects against moisture penetration and its consequences.
- Does not discolor and does not absorb atmospheric pollutants.
- Does not require fortification with additives.
- Light-colored floor grouts are easier to clean, due to their water-repellency and water tightness.

■ APPLICATIONS

DUROSTICK FLEXIBLE & OIL REPELLENT GROUT is the necessary complement to the flexible installation of tiles (when using flexible adhesives with deformability classification S1 and S2). Suitable for grouting every type of tile, granite, glass mosaic and marble. Also, exceptionally suitable for replacing existing grout with hairline cracks and other damage. It fully restores and waterproofs perfectly, providing that the existing grout is removed (*) to a depth of at least 3mm, and the substrate (bottom) of the joints is meticulously cleaned. It is suitable for indoor and

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outdoor use and for areas subjected to strict hygiene standards. Ideal for grouting tiles on terrace roofs, substrates with underfloor heating systems, drywall and cement boards, generally areas subjected to thermal or mechanical stresses and vibrations (metal and wood lofts for example).

■ USE

1. Surface preparation

Remove from the tile surface any adhesive residues, if any, and clean all the joints with a damp sponge. For exterior spaces, it is recommended to create expansion joints every 20m². Prime the expansion joints with PRIMER-PU, install the closed cell backer rod DS-265, and fill them with the elastomeric polyurethane sealant DUROFLEX-PU. It is also recommended to create perimeter expansion joints, 5-8mm wide, both for interior and exterior spaces, between the tiles and the vertical surfaces. Fill those joints in the same way as described above, thus reducing the compression of the joints from expansions and contractions.

2. Application

Empty the mortar into a clean container with cool water, at a ratio of 0.7-0.85lt of water to 4kg of powder, 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. Remove all residues using a slightly damp sponge, 10-15 minutes after application (depending on weather conditions). Finally, when the grout hardens, clean the tile surface with a damp cloth.

It is recommended to clean any grout residues, using the DUROSTICK ACID TILE CLEANER, but only after 20 days have passed from the grouting of the surface (according to its instructions for use).

■ NOTES

- It is imperative to follow the mixing instructions and only add the appropriate amount of water, as indicated on the packaging.

- Avoid grouting at temperatures above 35°C when the surface is exposed to sunlight to avoid cracking. If possible, cover with wet burlap or polystyrene panels the still wet grouted surface.

- At temperatures of 5°C to 15°C, the cleaning time of the grouted surface is extended. In those cases, it is recommended to clean any residues within one hour from the completion of the application, by first using a sponge to wet the surface and soften the grout and then proceed to the final cleaning.

- When working with rustic or absorbent cotto (terracotta) tiles, it is recommended to first apply two coats of the waterproofing and oil-repellent agent, DUROSTICK D-29 SPOT FREE or NANO PROOF MARMO DS-275 of DUROSTICK. Their application will facilitate the cleaning process and avoid staining from the residues of the grout. For their application, use the 'wet-on-wet' method.

- When grouting interior surfaces with the FLEXIBLE & OIL-REPELLENT GROUT, expansion joints per 20m² are not deemed necessary. However, the perimeter expansion joints are deemed necessary in this case as well. The recommended product to fill those expansion joints is DS POLYMER, available in 32 colors.

■ CLEANING

Clean all tools with water, immediately after use.

■ STORAGE

Store in factory sealed packages, in dry and shaded places for a minimum of 8 months after 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 5 pcs of 4kg each one.

■ 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.

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TILE DIMENSIONS (cm)	JOINT WIDTH (mm)		
	2	5	8
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
20 x 30 x 0.90	200	300	530
30 x 30 x 1	190	280	470
40 x 40 x 1	140	210	350
50 x 50 x 1	110	170	280
60 x 120 x 1.10	80	110	200

The consumption rates refer to gr/m²

(*) Use the DUROSTICK Grout Scraper to easily remove worn out or dirty cementitious grouts and facilitate the regrouting process.

TECHNICAL SPECIFICATIONS (Measurement conditions: 23°C and 50% R.H.)	
■ Form	Cementitious flexible mortar
■ Color	12 permanent colors with extra color mixing abilities
■ Bulk density of dry mortar	1.20±0.05kg/lt
■ Bulk density of fresh mortar	1.80±0.05kg/lt
■ Water requirement	0.7 to 0.85 lt water to 4kg mortar depending on the color
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +90° C
■ Pot life	50 minutes
■ 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 4 hours
■ Acid resistance	Excellent

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 12808-3, to:	
•Flexion	5.50±0.80 N/mm ²
•Compression	30.00±1.50 N/mm ²
■ Adhesion after 25 freeze-thaw cycles, per EN 12808-3, in:	
•Flexion	5.50±0.80 N/mm ²
•Compression	30.00±1.50 N/mm ²
■ Shrinkage per EN 12808-4	≤ 1mm/m
■ Abrasion resistance per EN 12808-2	≤ 1.000mm ³
■ Water absorption per EN 12808-5	
•after 30 minutes	≤ 0.1gr
•after 240 minutes	≤ 1.0gr

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COLOR CHART OF 12 COLORS

 DARK GRAY	 DARK BROWN	 BEIGE	 MAGNOLIA
 LIGHT GRAY	 LIGHT BROWN	 ANEMONE	 IVORY
 SILVER GRAY	 TOBACCO	 BAHAMA	 WHITE

Any discrepancies between color samples and the final result are due to precision shortcomings in the printing process.

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