

FLEXIBLE & OIL REPELLENT GROUT



PROPERTIES

Flexible, anti frost, water repellent tile grout in powder form, with cutting edge, flexible water repellent resins and special fillers. This product deserves to be called innovative, because it is the first flexible, one component joint filler that works as tile grout. Distinguished for its high mechanical strengths, it does not crack, even under the most adverse environmental conditions. It exhibits excellent resistance to acids, alkalis, strong cleansers, as well as certain solvents and chlorinated water. It has excellent workability and its adhesion to the sides of tiles is exceptional. It does not stain from watery and oily stains, such as stains from water, coffee, oil, wine etc. It does not favour mold, fungi, and bacteria formations. Absolutely user and environment friendly.

Classified CG2/WAr per EN 13888.

APPLICATIONS

DUROSTICK FLEXIBLE & OIL REPELLENT GROUT is the only sensible complement to the

flexible adhesion of tiles (when using flexible adhesives with deformability classification S1 and S2). Suitable for grouting every type of tile, granite, and marble as well as glass mosaic. Also exceptionally suitable for replacing existing grout with hair line 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 outdoor use and for areas subjected to strict hygiene standards. Ideal for grouting tiles on terraces roofs, substrates with radiant heating systems, drywall and cement boards, generally areas subjected to thermal or mechanical stresses and vibrations (metal and wood lofts for example).

USE

Surface preparation

Remove from the tile surface any adhesive residue and clean all the joints with a damp sponge. For outdoor areas, it is recommended that on every 20m², we create and prime the expansion

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joints with PRIMER-PU and after 2-3 hours, we apply the elastomeric polyurethane sealant DUROFLEX-PU, to fill them out. The creation of perimeter expansion joints, 5-8mm wide, both indoors and out, is also recommended. Create expansion joints between tile and vertical surface, and fill in the same way as described above, thus reducing the compression of the joints from expansions and contractions.

Application

Empty the powder 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 filler 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 material hardens, clean the tiled surface either by using a damp cloth or by using the biodegradable cleaner, BIOCLEAN EPOXY GROUT CLEANER. 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.

ADVANTAGES

- Highly deformable and long lasting
- Exceptional adhesion
- Excellent waterproofing and breathability, preventing the penetration of moisture and its resulting damage
- When grouting interior surfaces using the FLEXIBLE & OIL REPELLENT GROUT, expansion joints per 20m² are not necessary. However, perimeter expansion joints are necessary in this case. For these applications, the use of the multipurpose elastomeric sealant and adhesive, DSPOLYMER, available in 32 colors, is recommended.
- Self cleaning
- It does not discolor and does not absorb environmental pollutants
- Does not require additives for increased flexibility

- Light color floor grout is especially easy to clean due to its water repellency and waterproofing properties.

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 thus preventing cracking. If this is unavoidable, cover with wet burlap or polystyrene panels the still wet grouted surface.
- If the temperatures during grouting are between 5°C and 15°C, the wait time before cleaning gets 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 filler and then proceed to the final cleaning.
- When working with rustic or absorbent cotto (terracotta) tiles, apply 2 coats of the waterproofing and oil repellent agent, DUROSTICK D-29 SPOT FREE or NANO PROOF MARMO DS-275 of DUROSTICK to facilitate easier cleaning and to avoid staining from the residues of the grout. For the application, use the 'wet-on-wet' method.

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.

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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
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

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 5 pcs. of 4kg each one.

HELPFULL 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.

TECHNICAL SPECIFICATIONS (Measurement conditions: 23°C and 50% R.H.)	
Form	Cementitious mortar
Color	12 permanent colors with extra color mixing abilities
Toxic	No
Bulk density of dry mortar	1.20±0.05 kg/lt
Bulk density of fresh mortar	1.80±0.05 kg/lt
Water requirement	0.7 to 0.85 lt water to 4 kg 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
Abrasion resistance per EN 12808-2	≤1.000 mm ³
Acid resistance	Excellent
MECHANICAL STRENGTHS	
Strength after 28 days, per EN 12808-3, to	
Flexion	5.50±0.80 N/mm ² ,
Compression	30.00±1.5 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:	≤1 mm/m
Water absorption per EN 12808-5	
after 30 minutes	≤0.1gr
after 240 minutes	≤1.0 gr

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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DUROSTICK S.A.

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& MORTARS

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