

ACRYLIC GEL



Resinous, thixotropic adhesive for tiles and granite



■ PROPERTIES

High-performance, and multipurpose cementitious white GEL adhesive for tiles and granite. With strong adhesion, zero slip, and extended open time, it provides high initial and final bonding strength. Fine-grained, its composition contains special additives and advanced new technology resins that yield an airy mixture with excellent thixotropy. Classified C2TE per EN 12004.

■ ADVANTAGES

- Excellent workability and ease of application.
- Stability - retention of volume.
- Zero shrinkage.
- Installation of tiles of all types and sizes, on a variety of substrates.
- Tile installation to walls, starting from top down, without slip.

- Application in thicknesses from 2mm to 20mm. It can also be used for repairs or smoothing the substrate, before installing tiles.
- Resistant to moisture, frost and stress (after curing).

■ APPLICATIONS

ACRYLIC GEL adhesive is suitable for tile linings of all types and sizes, even of low absorbency, on cement floor screeds, plastered walls and all common, sound substrates. Also suitable for installing granite, glass mosaic, cotto, klinker, porcellanato, porcellanato smaltato, etc.

Use it on both interior and exterior applications. The addition of DUROSTICK ACRYLIC EMULSION to the mixing water, in a ratio of 1:1, further improves its characteristics so as to meet applications with high mechanical and thermal stresses.

The technical specifications and directions of use contained in this technical data sheet 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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■ USE

1. Surface preparation

The application surface has to be sound, clean, free of loose sections, dust, paint, grease and oils. The surface has to be soaked before the application. It is necessary to prime all absorbent substrates and aircrete, using DUROSTICK ACRYLIC EMULSION or D-20, at a mixing ratio of 1:1 with water. It is necessary to prime all gypsum boards and plaster surfaces, using the micromolar stabilizer, AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Brittle floor cement screeds, lightweight or else, must necessarily be primed with ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1-part emulsion to 2-parts water or 1-part DUROMAX to 5 parts water. Smooth or non-absorbent surfaces, primed with quartz primer DS-290 of DUROSTICK. For balcony, terrace, bathroom and shower the application of HYDROSTOP FLOOR or D-1 FLEX will follow, at 2-3 successive, crosswise layers to ensure the waterproofing of the substrate.

2. Application

Empty 25kg of the adhesive into a clean container with 7.5-7.75lt of cool water. Mix with a low rpm electric mixer until a lump free, homogeneous mass is created. Allow the mixture to mature for 5-10 minutes. During use mix periodically, without adding extra water. Apply the adhesive using a notched trowel and spread on the substrate evenly. Coat as much surface as is required to work for the next 15-30 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles in the selected position by tapping softly with a rubber mallet.

When working with medium and large format tiles, the installation is done by the method of double-coat application, on the substrate, but also on the tile (tile back buttering).

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

3-5kg/m², depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the tiles.

■ STORAGE

Store in the factory sealed packages. in dry and shaded places, for 12 months from production date.

■ SAFETY DIRECTIONS

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

■ PACKAGING

Paper bag of 25kg on 1.200kg pallet.

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TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1.35±0.05kg/lt
■ Water requirement	7.5lt water per 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 20mm
■ Pot life	Approximately 5 hours*
■ Time for minor adjustments	25 minutes*
■ Grouting	After 4-8 hours on wall, after 24 hours on floor
■ Foot traffic	After 24 hours
■ Delivery to use	For light traffic after 2-3 days. For heavy traffic after 5-7 days.

PRODUCT PERFORMANCES	
■ Open time per EN 1346	30 minutes*
■ Slip per EN 1308	0.1mm
■ Adhesion strength, per EN 1348, after:	
• 28 days	1.60 N/mm ²
• Thermal ageing at +70°C	1.30 N/mm ²
• Water immersion for 21 days	1.10 N/mm ²
• 25 freeze - thaw cycles	1.30 N/mm ²

*Depending on the weather conditions
(temperature, humidity).

NOTE: The product exceeds the statutory requirements
for C2 adhesive.

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