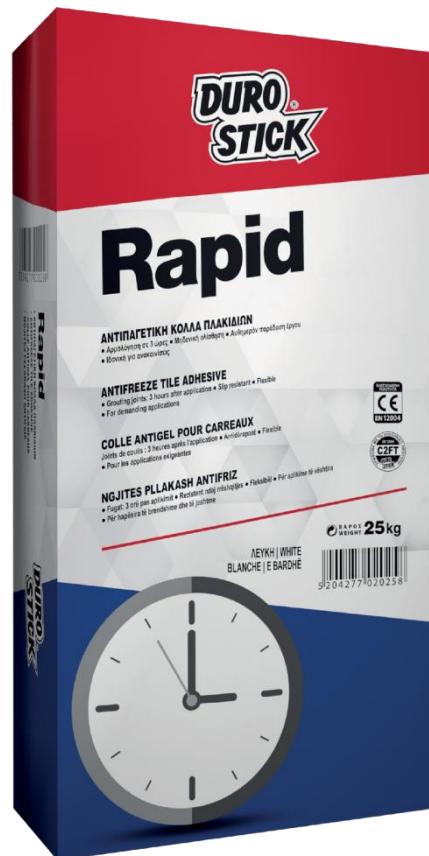


# RAPID (SPEED SET)



## Antifrost tile adhesive



### ■ PROPERTIES

High-quality cementitious white tile adhesive of early strength, fortified with acrylic resins. It is distinguished for its powerful adhesion, zero vertical slip, and durability against intense/elevated moisture conditions, and frost. Offers increased early and final adhesive strength. Suitable when there is pressure to deliver time-sensitive projects, such as working in commercial spaces or trying to avoid unfortunate consequences when working outdoors from unexpected rainfall and sharp drops of temperature, (below +4°C), before any regular adhesive would have adequate time to set.

Classified C2FT per EN 12004.

### ■ ADVANTAGES

- Ability to grout 3 hours after the installation completion.
- Immediate walkability (2-3 hours).

### ■ APPLICATION

RAPID is suitable for installing all types of wall and floor tiles, absorbent or not. Use it on floor cement screeds, plastered walls and all common, sound substrates. Use it for both interior and exterior applications. It is ideal for repairs and small jobs, as well as staircase installations from the bottom up.

Adding DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of 1:1, further improves its characteristics, however, it causes a slight delay in its set and cure time.

### ■ USE

#### 1. Surface preparation

The application surface has to be sound, clean and free of loose materials, dust, paints, grease and oils. The surface has to be soaked before the application. It is necessary to prime all absorbent substrates

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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and aircrete, using either DUROSTICK ACRYLIC EMULSION or D-20, at a mixing ratio of 1:1 with water. It is necessary to prime all drywall using either the micromolar stabilizer AQUAFIX or SOLVENT-BASED PRIMER of DUROSTICK. Lightweight or else, unsound cement screeds, must necessarily be primed with DUROSTICK ACRYLIC EMULSION or D-20 at a ratio of 1 part additive to 2 parts water or 1 part DUROMAX to 5 parts water. Follow all balcony and terrace applications by coating the substrate with HYDROSTOP FLOOR or D-1, with 2-3 successive, crosswise coats to ensure the waterproofing of the substrate.

### 2. Application

Empty 25kg of the adhesive into a clean container with 6.5-7.0lt 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 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 10 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.

### ■ NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m<sup>2</sup>. Prime the expansion joints with PRIMER-PU, to improve grip, fill them with the backer rod of DUROSTICK, DS-265, and seal them with the polyurethane sealant, DUROFLEX-PU. Similarly, seal all the joints (5-8mm) at the junction of the tiles and vertical surfaces throughout the perimeter. Alternatively, the application of DS POLYMER sealant, available in 32 colors (same ones with the grout colors

of DUROSTICK), ensures sealing without cracking at the junction of the tiles with the skirting and above it as well.

### ■ CONSUMPTION

3-5kg/m<sup>2</sup>, 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 10 months from production date.

### ■ SAFETY DIRECTIONS

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

### ■ PACKAGING

Paper bag of 25kg on 1.500kg 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	1.30±0.05kg/lt
■ Water requirement	6.5lt water per 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 10mm
■ Pot life	Approximately 40 minutes*
■ Time for minor adjustments	15 minutes*
■ Grouting	After 1 hour on wall, after 2-3 hours on floor
■ Foot traffic	After 2-3 hours
■ Delivery to use	After 4-6 days

PRODUCT PERFORMANCES	
■ Open bonding time per EN 1346	10 minutes*
■ Slip per EN 1308	≤ 0.5mm
■ Adhesion strength, per EN 1348, after:	
• 6 hours	≥ 0.50 N/mm <sup>2</sup>
• 24 hours	0.60 N/mm <sup>2</sup>
• 28 days	1.35 N/mm <sup>2</sup>
• thermal ageing at +70°C	1.20 N/mm <sup>2</sup>
• water immersion for 21 days	1.25 N/mm <sup>2</sup>
• 25 freeze - thaw cycles	1.20 N/mm <sup>2</sup>

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

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

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