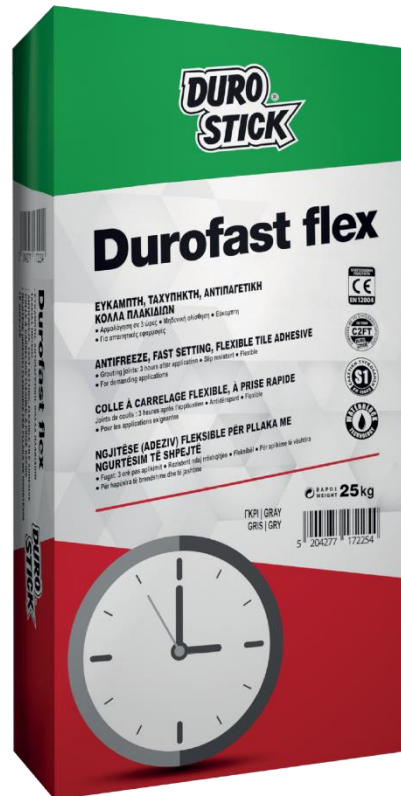


DUROFAST FLEX



Fast setting and antifrost tile adhesive



■ PROPERTIES

Fast setting resinous and especially flexible cementitious adhesive for -installing ceramic tiles, granite, and natural stones.

It provides high early and final mechanical strength and it is antifrost. Presents zero slip during application. In addition, it provides the ability to install and grout the lining on the same day, when there is time pressure to deliver the project.

Also, when rainfall or low temperatures (below +4°C), is likely to affect the area in which the application takes place, before the adhesive is cured.

Classified C2FT S1 per EN 12004 & En 12002.

■ ADVANTAGES

- Installation speed - Ability of grouting after 3 hours.
- Immediate walkability (after 2-3 hours).
- Fast delivery of projects.
- Immediate use of the space.

■ APPLICATIONS

DUROFAST FLEX is suitable for tile linings on walls and floors, in interior and exterior surfaces made of concrete, plaster, existing tiles, and in areas with a strong presence of moisture. Highly recommended for applications in projects with a limited delivery time (such as renovations of commercial spaces, shops, etc.) but also on floors with heavy traffic, such as in car showrooms, shopping centers, supermarkets, etc. It is also recommended for use in bathroom renovations, kitchens, rooftops, stair installations, etc. Adding DUROSTICK ACRYLIC EMULSION into the mixing water in a 1:1 ratio enhances its flexibility and further improves its characteristics. however, it slightly increases its setting time.

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 materials, 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 either the ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1:1 with water. It is necessary to prime all gypsum boards and gypsum plaster 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, bathroom and shower, fountain and swimming pool applications by coating the substrate with HYDROSTOP FLOOR, D-1 or D-1 FLEX 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 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 shady places, for 10 months from the date of production.

■ 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 - Gray
■ Bulk density of dry mortar	1.30±0.05kg/lt
■ Water requirement	6.5lt water in 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -40°C to +90°C
■ Application thickness	Up to 20mm
■ Pot life	Approximately 40 minutes*
■ Time for minor adjustments	10 minutes*
■ Grouting	After 1 hour on wall; after 2-3 hours on floor
■ Foot traffic	After 2-3 hours
■ Delivery to use	After 24 hours (3 days for swimming pools)

PRODUCT PERFORMANCES	
■ Open time per EN 1346	15 minutes*
■ Slip per EN 1308	≤ 0.5mm
■ Adhesion strength, per EN 1348, after:	
• 6 hours	≥ 0.50 N/mm ²
• 24 hours	≥ 0.50 N/mm ²
• 28 days	≥ 1.70 N/mm ²
• Thermal ageing at +70°C	≥ 1.60 N/mm ²
• Water immersion for 21 days	≥ 1.40 N/mm ²
• 25 freeze - thaw cycles	≥ 1.20 N/mm ²
■ Deformability S per EN 12002	2.5mm ≤ S < 5mm

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

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

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