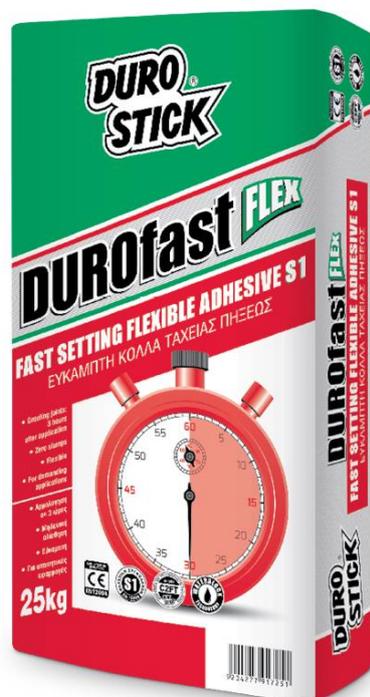


DUROFAST FLEX



Fast setting flexible tile adhesive



PROPERTIES

Fast setting cement base, resinous adhesive for ceramic tiles, granite and natural stones. It provides high early and final mechanical strengths. Presents zero slump during application. It has excellent anti-frost properties. It allows for the lining (welding and jointing) of tile surfaces when time pressure for project delivery is an issue. 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 per EN 12004 & S1 per EN 12002.

ADVANTAGE

- Allows grouting after 3 hours
- Allows walkability after 2 hours
- Allows fast delivery of works

APPLICATIONS

DUROFAST FLEX is suitable for tile linings over walls and floors, in interior and exterior surfaces made of concrete, plaster, old tiles, terrazzo, and in areas with a strong presence of moisture.

Highly recommended for repairs to heavy duty floors (such as car showrooms, super markets, etc.). It is also recommended in reconstruction and remodeling of bathrooms, kitchens, flat roof areas, stairs, etc. The addition of ACRYLIC EMULSION of DUROSTICK at a proportion 1:1 with mixing water enhances the flexibility of the material so that it meets the requirements of deformability class S2 per EN 12002 but increases the setting time.

USE

1. Surface preparation

The surface should be clean, free from loose particles, dust, paint, grease, oil and it should be wetted before application. Absorbent substrates as well as those made from aerated concrete should necessarily be primed with use of ACRYLIC EMULSION or D-20 of DUROSTICK, at a mixing ratio of 1:1 with water. Plasterboard is necessary to be primed with micromolar stabilizer AQUAFIX or SOLVENT PRIMER of DUROSTICK. Fragile cement mortars on the floors, light or not, it is necessary to be primed with

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ACRYLIC EMULSION or D-20 by DUROSTICK in a ratio of 1: 2 parts water or 1-part DUROMAX to 5-parts water. On balconies, terraces, bathrooms, showers and swimming pools, the application of HYDROSTOP FLOOR follows, in 2-3 superimposed layers crosswise, in order to ensure the sealing of the substrate.

2. Application

Pour the powder in clear water at a proportion of 2 parts water to 5 parts of powder, or 6.5-7 lt water to 25 kg of powder and stir with a drill at low revs until a homogenous mass without lumps is created. Allow the mixture to cure for 5 minutes and stir periodically, without adding extra water. Apply with a notched trowel, spreading the adhesive to the substrate. Then apply to as much surface as is required to work for the next 10 minutes (depending on weather conditions), avoiding skin formation. Finally, place the tiles in the selected position, beating softly with a rubber mallet hammer. The application of the adhesive in the case of medium and large format tiles, is done by the method of double coating (on the substrate, but also on the tile).

NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m². 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. On floors with radiant heating systems, it is recommended to create expansion joints every 20m² and fill them with DS POLYMER sealant, available in 32 colors.

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 at least 12 months from the date of production.

SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product's package or the Material 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
Toxic	No
Bulk density of dry mortar	1.30±0.05kg/lt
Slip per EN 1308	≤ 0,5mm
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	40 minutes
Open time per EN 1346	At least 20 minutes
Time for minor adjustments	At least 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	
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	2.5 ≤ S < 5mm

The experimental measurements were performed per EN 12004, in the Chemical Laboratory of DUROSTICK and were confirmed by the measurements of initial type from MIRTEC (Cert. No:3676).

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



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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.