Technical Datasheet

MULTIFLEX

Ready-to-use acrylic tile adhesive

Description

MULTIFLEX is a pasty tile adhesive, based on acrylic resins, with no vertical slip. It provides high initial and final adhesion strength, high elasticity and resistance to moisture. It is ideal for minor repairs and small renovation projects thanks to the ease and speed of application.
Classified as a D2T adhesive according to EN 12004.

Fields of application

MULTIFLEX is suitable for fixing absorbent or non-absorbent tiles, glass mosaic tiles, thermal and sound insulation boards, natural stones. It is applied on concrete, brick, cellular concrete, plaster, gypsum-board, cement-board, and wood surfaces.
Suitable also for high-humidity spaces such as bathrooms, kitchens, etc.
Intended for internal wall and floor tiling and external wall tiling.

Technical data

Form:	acrylic paste dispersion
Color:	white
Application temperature:	from +5°C to +35°C
Temperature resistance:	from -20°C to +90°C
Adhesive strength:	1.20 N/mm^2
Adhesive strength after:	
• immersion in water:	≥ 0.50 N/mm^2
• heating	≥ 2.10 N/mm^2
Slip:	≤ 0.5 mm
Open time:	25 min
Minor adjustments open time:	20 min
Wall grouting:	after 12 h
Floor grouting:	after 24 h

Directions for use

1. Substrate preparation
The application surface should be sufficiently strong, free of dust or grease and as flat as possible.

2. Application
MULTIFLEX is uniformly spread and “combed” over the entire surface with a notched trowel. Then the tiles are firmly pressed to the desired position.
The applied mixture must be covered with tiles within 25 minutes to avoid “film” formation, i.e. before the adhesive film starts to set.

Consumption

1.0-3.0 kg/m^2, depending on the trowel’s notch size and the type of substrate.

Packaging

MULTIFLEX is supplied in 1 kg and 5 kg containers.

Shelf life – Storage

12 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

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Remarks

- Very porous surfaces, such as aerated concrete, gypsum boards, chipboards, etc. must be primed with UNI-PRIMER acrylic primer.
- Spaces with high humidity levels (kitchens, bathrooms, etc.) should return to service approx. 7 days after the application of MULTIFLEX, in order to have completely dried.
- Do not mix MULTIFLEX with water, cement, lime, etc.
- Painted surfaces can be covered with MULTIFLEX as long as the paint is stable, has adequate adhesion to the substrate, and the surface is clean.
- MULTIFLEX is not suitable for places with rising damp or permanently immersed in water, such as swimming pools, water tanks, etc.
- MULTIFLEX is not suitable for fixing non-absorbent materials to non-absorbent substrates.
- Tools should be cleaned with water while MULTIFLEX is still fresh. After drying, tools can be cleaned with SM-25 solvent.
- Consult the directions for safe use and precautions written on the packaging before use.

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Improved, dispersion adhesive, with reduced slip, for internal and external tiling.

Reaction to fire	Class F
Release of dangerous substances	See MSDS
Bond strength, as:	
- initial shear adhesion strength	≥ 1 N/mm^2
Durability, of	
- shear adhesion strength after heat ageing	≥ 1 N/mm^2
- shear adhesion strength at elevated temperatures	≥ 1 N/mm^2
- shear adhesion strength after water immersion	≥ 0.5 N/mm^2

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