

# FlexBond FX

## Polymer modified cement-based tile adhesive

### DESCRIPTION

**FlexBond FX** is a cement-based tile adhesive. It provides high initial and final adhesive strength and moisture resistance.

### FIELDS OF APPLICATIONS

**FlexBond FX** is suitable for fixing ceramic wall and floor tiles to a variety of substrates including concrete, brickwork, plaster, etc. For interior and exterior tile grouting applications..

### TECHNICAL DATA

Form	cementitious mortar
Colour	grey, white
Water demand	6.00-6.50 l/25kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 10 mm
Pot life	at least 60 mins
Open time	at least 20 min
Minor adjustments open time	at least 30 min
Wall grouting	after 3-8 h
Floor grouting	after 24 h
Adhesion strength after	
• 28 days:	≥ 1.00 MPa
• heating in +70°C:	≥ 0.50 MPa
• immersion in water:	≥ 0.50 MPa
Service temperature:	from -15°C to +60°C

### DIRECTIONS FOR USE

#### Surface Preparation

Substrate must be clean and free from greasy matters or dust. It should have been sufficiently cured in a way that any shrinkage has already occurred. Moisten slightly the substrate if it is dry at the time of application, never moisten the tiles.

#### Product Preparation

Mix **FlexBond FX** in the proportion of 5 to 6 liters of clean cool water per 25 kg bag. An electric mixer with low rotation speed (< 500 rpm) can be used. Mix until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application.

#### Product Application

Apply **FlexBond FX** evenly on the substrate. Use a notched trowel to have a uniform thickness according to the size of the tile. Apply the tiles on the substrate and press them firmly, while making sure that the paste does not slip from the tile sides (The thickness will depend on the type and area of the tiles). **FlexBond-FX** can also be applied on the back of tiles to ensure full adhesion on the entire surface.

### CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

### PRECAUTIONS

Apply **FlexBond FX** on the substrate by areas of around 1m<sup>2</sup> each, which can be tiled within a maximum of 20 minutes from application time at standard conditions. After that time, an outer skin may form thus preventing the tile from adhering properly to **FlexBond FX**. Adjustments to the tiles should only be made during its open time.



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It is recommended to leave a minimum width of 2 mm around the tiles (or as designed). Grouting the tile joints should only be done at least 24 hours after tiling,

## LIMITATIONS

- Substrate made of gypsum are not advisable.
- Not to be used in swimming pools.
- Not to be used on Facades and external locations. •Not to be used for low absorption tiles.

## PACKAGING

FlexBond FX is supplied in 25 kg HDPE bags

## STORAGE AND SHELF-LIFE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

## NOTES

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