

Flexbond RX

High-performance, ultra-flexible, polymer modified adhesive for all types of tiles.

Description

Flexbond RX is a high-performance, ultra-flexible, cement-based tile adhesive, enhanced with polymers (resins), with extended open time and no vertical slip. Provides high adhesion strength and resistance to moisture.

It is certified according to EN 12004 and classified as C2 TE S2 adhesive.

Fields of application

Flexbond RX is suitable for fixing all types of wall and floor tiles, including absorbent and non-absorbent tiles (e.g. grès porcellanato), natural stone, decorative bricks, marbles, large-format tiles, etc. Well-suited for applications where ultra-flexibility, high adhesion and moisture resistance are required and for substrates subject to movement due to expansion/contraction or vibration, such as balconies, flat roofs, heated floors, metal surfaces, wood floors, old tile layers, swimming pools, gypsum boards, etc. For indoor and outdoor applications.

Technical data

Form	cementitious mortar
Colour	grey, white
Water demand	6.50 - 7.0 l/25kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 20 mm
Pot life	at least 90 mins
Open time	at least 40 mins
Minor adjustments open time	at least 30 mins
Wall grouting	after 4 - 8 h
Floor grouting	after 24 h

Adhesion strength after

- 28 days: ≥ 2.5 MPa
- heating in +70°C: ≥ 2.5 MPa
- immersion in water ≥ 1.6 MPa

Service temperature: from -15°C to +60°C

Deformability
EN 12004-2 > 5.0 mm

All measurements were conducted according to EN 12004-2.

Direction to use

Surface Preparation

The surface to be overlaid must be clean, free of dust, grease, paint, loose materials, etc. It is recommended to dampen the substrate before application. Dampening of the substrate before application is recommended.

Product Preparation

Mix **Flexbond RX** in the proportion of 6.5 to 7 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

The mixture should be left about 5 minutes to settle and should be stirred slightly again. The tile adhesive should be spread ("combed") on the substrate using a notched trowel, in order to be uniformly applied on the whole surface. Tiles should be firmly fixed to the desired position.

The applied mixture must be covered with tiles within 30 minutes to avoid film formation, i.e. before the adhesive film starts to set.



Consumption

1.5-4.0 kg/m², depending on trowel notch size and the nature of the substrate.

Packaging

Flexbond RX is available in 25kg HDPE bags

Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Remarks

- Due to cement content, **Flexbond RX** reacts with moisture forming alkaline solutions, thus is classified as irritant.
- Very porous surfaces, such as aerated concrete, gypsum boards, chipboards, etc. must be previously primed with suitable acrylic primer.

Health & safety

Flexbond FX 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.

For further information, refer to the Material Safety Data sheet.

Notes

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