

Rabond[®]

TG45 S1 FLEX

High-performance, superior flexibility, polymer-modified/fibre technology adhesive for all tile types, even on critical substrates

Description

Rabond TG45 is a premium grade high-performance, cement-based flexible tile adhesive classified as C2TE S1, developed for professional-grade installations where maximum performance is required. With enhanced workability, superior bond strength and advanced polymer-fibre technology, it offers outstanding flexibility (S1), exceptional slip resistance and extended open time – ensuring precision and reliability even in the most demanding conditions.

Fields of application

Perfectly suited for any format sizes especially for extra large-format ceramic, porcelain, natural stone, marble and granite tiles. It performs flawlessly on complex substrates such as underfloor heating, pools, facades, terraces, balconies and high-traffic zones – delivering lasting durability and confidence with every application.

Instructions for use

Surfaces must be dry, flat, structurally sound, levelled, adequately cured and free from dust, oil, grease, curing compounds and any other loose or contaminating materials which may inhibit or prevent adhesion.

Prepare mixture by adding approximately 7 – 8 litres of fresh water to every 25kg bag of Rabond TG45. Mix thoroughly with an appropriate mixer to obtain a smooth and homogenous consistency. Allow the mixture to rest for about 5 minutes and mix again before applying to substrate.

Do not apply to excessively wet surfaces.

Consumption

4 – 5 kg/m², depending on the trowel notch size and the nature of the substrate.

Technical data

Form	cementitious powder
Colours	grey, white
Granulometry	< 0.5 mm (500µ)
Water demand	7.0 – 8.0 L / 25kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 10 mm
Pot life	4 – 5 hours
Open time	at least 30 min
Minor adjustments open time	at least 30 min
Slip	≤ 0.5 mm
Wall grouting	after 24 hours
Floor grouting	after 48 hours
Temperature resistance	from -10°C to +90°C
Extended open time tensile adhesion strength	≥ 0.5 N/mm ² after not less than 30 min
Adhesion strength after:	
28 days	≥ 1.65 N/mm ²
Heating in +70°C	≥ 1.20 N/mm ²
Immersion in water	≥ 1.10 N/mm ²
25 freeze-thaw cycles	≥ 1.10 N/mm ²
Deformability (EN 12004-2)	≥ 2.5 mm and < 5 mm

All measurements were conducted according to EN 12004-2.

Packaging

Available in 25 kg paper bags in grey and white.

Shelf life - Storage

When stored in original, unopened packaging, in cool dry conditions, Rabond TG45 has a shelf life of 12 months from date of production. Storing in areas of high humidity or excessive moisture may affect the contents and shorten shelf life.