

asiamMORTAR
Deliver Solutions



022 - 021
Eco-Friendly Building Material
Minimum 20% Recycled Content

R-CRETE ECO TILEBOND

DESCRIPTION

R-CRETE ECO TILEBOND is a specially formulated cement-based environmentally friendly tile adhesive, which consists of Ordinary Portland Cement, Ground Granulated Blast Furnace Slag (GGBFS), graded sand and additives. It is used for fixing floor and wall tiles. When used with R-Bond 302, it gives improved adhesion and water-repellent properties when set and hardened.

USES

R-CRETE ECO TILEBOND can be used as thin or thick bed adhesive for tiling on concrete and cement rendered surfaces. R-CRETE ECO TILEBOND is ideal for the installation of mosaics, marble, granite, ceramics, and homogeneous tiles. It is best used with R-BOND 302 for swimming pools and wet locations.

ADVANTAGES

- Pre-packed to ensure high consistency.
- Excellent workability and open time.
- For internal and external use.
- Suitable for ceramic and most natural stone tiles.
- High sulfate resistance due to a lower C_3A content in blended cement
- Low permeability with the formation of additional calcium silicate hydrate (CSH)
- Mitigate Alkali Silica reaction

METHOD OF USE

Surface Preparation

Ensure that dust, oil and foreign materials are removed. Site practices like washing of the substrate a day before plastering is highly encouraged. Dampen dry concrete surface before application.

Mixing

Add approximately 5.0 Litres of water to 25kg of R-CRETE ECO TILEBOND. Mixed thoroughly using an electrical paddle mixer until homogenous soft paste is achieved. The pot life of the mixture is approximately 2 hours.

R-BOND 302 can be added to replace water for improved adhesion and effectiveness, when fixing large flat-based tiles and existing glazed surfaces.

Application

R-CRETE ECO TILEBOND can be applied onto sound substrate using a notched trowel or it can be applied onto the back face of the tiles using "Buttering Method". Both methods can be adopted when laying big tiles and tiles with deep grooves or ridges. After application, the tiles should be firmly pressed and knocked into position.

For tiling areas over movement joints, the joint should go right through the tile and adhesive bed.

HANDLING

R-CRETE ECO TILEBOND is non-hazardous. In windy conditions, wear a filter mask to avoid inhaling the powder. Remove splashes from skin with plenty of water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

SPECIFICATIONS		
Appearance	Grey or White	
Density	1600 kg/m ³	
Binder	Blended Cement	
Filler	Graded Silica Sand	
Water Powder Ratio	Approximately 0.20 to 0.23	
Tensile Adhesion Bond Strength	BS EN 12004:2001 Requirements on Normal Set Adhesive (N/mm ²)	R-CRETE ECO TILEBOND with Water (N/mm ²)
After 28 days under standard laboratory conditions	≥ 0.5	1.10
After 7 days under standard laboratory conditions, followed by 21 days immersed in water	≥ 0.5	1.10
After 14 days under standard laboratory conditions, followed by 14 days in oven (After Heat Aging)	≥ 0.5	0.50
Open Time after not less than 20 minutes	≥ 0.5	
Open Time at 30 minutes	≥ 0.5	0.50

CONSUMPTION

Approximately 2.3 kg to 4.6 kg per m².

PACKING

R-CRETE ECO TILEBOND is supplied in 25kg bags at 60 bags per pallet.

SHELF LIFE

If stored in a cool and dry place, the shelf life of R-CRETE ECO TILEBOND is approximately 12 months in unopened bags.

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