

KUT TILE ADHESIVE-EG

Polymer Modified Cementitious Tile Adhesive

BTA-13-0812



DESCRIPTION

KUT TILE ADHESIVE-EG is supplied as a ready to use one component white/grey powder requiring only the addition of water to produce a cohesive, sticky highly adhesive thin bed tile adhesive. **KUT TILE ADHESIVE-EG** powder is a blend of white & grey cement, selected fine sands, water reducing chemicals, special polymers, water retention agents to enhance workability and ease of application.

Available in two colors-White and Grey.

USES

KUT TILE ADHESIVE-EG white is recommended for following application:

- (i) Fixing ceramic tiles on walls and floors.
- (ii) Bonding quarry tiles direct on concrete or sand cement renderings and clean non-glazed old terrazzo tiles.
- (iii) Fixing tiles over timber and existing vinyl tiles if the surfaces are properly cleaned and primed with a brush coat of **KUT FLEXIBOND**.

KUT TILE ADHESIVE-EG is specially recommended for fixing porous and white coloured tiles. However due care should be taken to ensure proper levels and that the thickness in such application does not exceed 12mm. Both grades of **KUT TILE ADHESIVE-EG** are suitable for interior as well as exterior conditions.

ADVANTAGES

Easy to use: Mixed material is easily trowel applied and stickiness in the wet stage affords easy fixation of tiles.

Constant quality: Factory quality controlled pre-packed material.

Adhesion: Excellent adhesion in the wet stage during application and in the fully cured state.

Economical: Low thickness of application affords a better

cost and performance alternative to conventional methods based on neat cement.

TYPICAL PROPERTIES

KUT TILE ADHESIVE-EG mixed with 25% water by weight of powder.

(i) Pot life (25°C)	90 minutes
(ii) Open time tile fixing (25°C)	20 minutes
(iii) Adjusting tiles after fixing (25°C)	5-10 minutes
(iv) Adhesion (direct pull of test)	7days 1 N/mm ²
(v) Shear bond strength at 28 days	0.5 N/mm ²
(vi) Water absorption (28days dry curing)	less than 2%.
(vii) Direct pull of test	1 N/mm ² at 28days
(viii) Water vapour permeability	reduced by 95%

LIMITATIONS

KUT TILE ADHESIVE-EG is not suitable for tile installation on metal sheet or metal surfaces. It is not suitable for chemical resistance and for direct installation over gypsum panels. Use **KUT BOND PVA** as a primer over Gypsum panels before application of **KUT TILE ADHESIVE-EG**, the primer must be tacky while application of **KUT TILE ADHESIVE-EG**.

SURFACE PREPARATION

Ensure the background on which tiles are to be fixed is pre-wetted, sound and free from any contamination. Tiles must be fixed dry and not soaked with water. Allow new concrete and brickwork at least 4 weeks curing and new cement/sand screed or render at least 2 weeks curing before fixing tiles. Timber floors must normally be strengthened with a 12mm plywood overlay, screwed at 300mm centers. The floor must be adequately ventilated underneath and must be rigid and stable to receive tiles.

Any existing patching must be sound and any defective areas made good before laying new tiles. Existing vinyl tiles must be securely bonded to their base and free of polish, grease, etc. Timber and vinyl surface must be primed, before tiling with **KUT FLEXIBOND** and allowed to dry.



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MIXING INSTRUCTIONS

KUT TILE ADHESIVE-EG can be mixed with clean water from 20 to 25% of powder mortar by weight or 4-5 litres per 20kg bag for floor application. For part mixes use 1 volume water to three volume of powder. For wall applications we recommend using 20 -22 % water by weight. Wait for 5 minutes. Remix and then use. This method provides the polymers and other chemicals present to take the desired effect.

APPLICATION AND TILES FIXATION

Spread only sufficient **KUT TILE ADHESIVE-EG** over small areas of 1 sq.metre approximately that can be covered immediately with tiles in 15 minutes at 25oC. Tiles can be adjusted for 5 to 10 minutes after initial positioning.

Comb the mortar with a solid bed semi notched trowel or a notched trowel and press the tiles firmly into position with a slight twisting motion to ensure solid bedding leaving no voids behind the tiles. If preferred the **KUT TILE ADHESIVE-EG** can be additionally buttered on the backs of the tile to ensure tile makes full contact with the substrates.

Under normal conditions, the tiles installed with **KUT TILE ADHESIVE-EG** can be subjected to foot traffic 24 hours after fixing.

Leave the joints about 3mm wide around floor tiles and 2mm wide around wall tiles. Clean and rake out any tile mortar trapped in between the tiles and insert plastic spacers.

Grouting: Grouting may be carried as soon as the tile bed is sufficiently firm normally after 24 to 48 hours. Use **KUT TILE GROUT** for this purpose. Do not use any neat cement/water slurry for grouting the tile joints.

COVERAGE & PACKAGING

Coverage: **KUT TILE ADHESIVE-EG** 20kg bag will cover approximately, 4 to 4.5 sq.metres at 3mm thickness solid bedding

6.5 sq.metres at 2mm thickness notched trowel

9 sq.metres at 1.5mm thickness notched trowel depending on the substrate/concrete surface.

Packaging: **KUT TILE ADHESIVE-EG** is packed in 20kg bags.

PRECAUTIONS

Cleaning: All equipment must be cleaned with water immediately after use. Mixes containing this product must not be emptied into drainage systems.

Protection: All work must be protected from rain, frost until fully hardened and shaded from direct sunlight.

Storage: Shelf life is 12 months when stored in dry conditions at moderate temperature and humidity

PERFORMANCE STANDARDS

KUT TILE ADHESIVE-EG meets and exceeds the water resistance and strength requirements of:

ANSI - A 136.1 - 1972.

ANSI - A 118.1 - 1972.

HEALTH AND SAFETY

KUT TILE ADHESIVE-EG is non toxic but it is mildly alkaline. Gloves should be worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of the prolonged irritation, seek medical advice.

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