

KUT TILE GROUT

Polymer Modified Cement Based Tile Grouts



BTA-02-1012

DESCRIPTION

KUT TILE GROUT is based on portland cement, selected sands, special polymers, workability agents, hydrophobic additives and shrinkage compensating agents. It is available in white and a limited range of colours, other colours for special bulk orders by arrangement. The powder is mixed with water to produce an easily worked mortar with good filling properties, allowing joints to be completely filled in one operation. The completely cured grouts is resistance to fungal growth, weather resistant, non-shrink and has excellent water resistance and provides waterproof joints.

It is available in three grades:

- 1. Superfine:** White only
- 2. Normal:** White and a limited range of colours for gap widths upto 3 mm.
- 3. Wide gap:** White and a limited range of colours, for gap widths 5-25 mm.

USES

For internal and external tiling in dry and wet conditions including swimming pools, Hospitals kitchens & Bathrooms. Can be used with the addition of **KUT FLEXIBOND** mortar improver to produce tile joints with improved elasticity and water repellency/proofing. Do not use where chemical resistance is required, use **KUT EPOXY TILE GROUT** In these situations.

TYPICAL PROPERTIES

Compressive strength: ASTM C 109 at 25°C N/mm² at a water-powder ratio of 0.18.

	(N/mm ²)
1 day	- 10
7 days	- 25
28 days	- 30

Flexural strength @ 7 days > 7 N/mm²
(ASTM C 580)

Adhesion strength @ 28 days > 1.3 MPa
(BS 1881, Part 207)

Water absorption @ 28 days - 16%
(ANSI A 118.6)

Setting time : To ASTM C191 at 25°C .

Initial set : approx. 2 hours.
Final set : approx. 4 hours.

Linear Shrinkage(ANSI 118.6 & 7)

At 1 day - 0.015 %
At 7 days - 0.06 %

Wet density: To BS 1881 – 2000 kg/m³ giving a yield of 5.5 litres per 10 kg bag or 13.75 litres per 25 kg bag.

INSTRUCTIONS FOR USE

Surface preparation: Ensure tiles or mosaics are firmly fixed and joints are clean, free of dust and excessive adhesive.

Mixing: The mixing proportions by volume of this grout are approximately 1 part water: 4 parts grout powder. For a 10 kg bag 1.6 to 2 litres of water and 4 to 5 litres per 25 kg bag. Place the water in clean container and add the powder whilst stirring thoroughly until a creamy, easily workable mortar is obtained. The mixed grout mortar has a working time of about 1 hour at 20°C.

NOTE: For better water resistance use **KUT FLEXI BOND** as such or diluted 1:1 by water instead of water for mixing. This method is specially recommended for swimming pools, wet process areas, decorative ponds etc.

Alternatively one may also use **KUT FLEXI** as Supplied as the mixing liquid as an economical option for these applications.

APPLICATION

Leave mixed material for 5 minutes. Remix and then use. Work the mixed grout using a sponge or rubber squeegee thoroughly into the joints ensuring they are completely filled. Remove excess grout as work proceeds and a damp sponge can be used to remove any residues on the tile face. Finally, polish off with a dry cloth to remove final residues when the grout has hardened in the Joints.



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Coverage and estimation: This depends on tile size and joint dimensions, For estimating use the formula, if:

L = length of tile in cms.

B = breadth of tile in cms..

W = Joint gap Width in cms

D = Joint depth In cms.

Grouted area per 10 kgs bag of **KUT TILE GROUT** in
sq. metres =
$$\frac{0.55 \times L \times B}{W \times D \times (L + B)}$$

PACKAGING

KUT TILE GROUT is available in 10 kg and 25 kg 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 and frost until fully hardened.

Fire resistance: **KUT TILE GROUT** is not flammable.

PERFORMANCE STANDARDS:

BS-5980 - Cementitious, Adhesives and Grouts

ANSI 118.6 & 7

ASTM C 109

BS 1881.Part 207.

HEALTH AND SAFETY

The product 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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