

### UNSANDED GROUT

#### Cementitious, unsanded grout for tile joints

TileEx Cementitious Tile Grout is a polymer-modified, cement-based grout with selected fillers, designed for filling tile joints up to 3 mm. It offers low shrinkage, excellent adhesion, and good workability.

#### INDICATIVE TECHNICAL DETAILS

Nature	:	Free flowing powder
Composition	:	Cement, polymers, selected fillers and pigments
Colour	:	Available in wide range of attractive colours
Water demand	:	30 – 35%
Pot life @ 30°C	:	Minimum, 30 minutes
Setting time @ 27°C	:	24 hours
Foot traffic @ 27°C	:	24 hours
Heavy traffic @ 30°C	:	72 hours
Compressive strength	:	≥ 15 MPa
Tensile adhesion strength	:	≥ 0.5 MPa

#### FEATURES & BENEFITS

- ★ Easy to use
- ★ Good workability
- ★ Excellent adhesion to concrete
- ★ Low shrinkage
- ★ Wide range of colours

#### PACKING

Available in 1kg

#### SHELF LIFE & STORAGE INSTRUCTIONS

- ⊕ 12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C
- ⊕ Store in dry and well-ventilated place away from heat source or direct sunlight.

#### GUIDANCE FOR APPLICATION

##### SURFACE PREPARATION

- ❖ Before starting to grout, remove any debris from the grout joints. Dust can be eliminated using compressed air jetting. Ensure that the joints are free from water, oil, dirt, and other contaminants.
- ❖ Clean the tile surface by wiping it with a sponge to remove dirt and dust. Do not use acids to clean the tiles.
- ❖ Cleanliness and surface roughness are essential for good adhesion of the grout.
- ❖ Proper surface preparation is crucial; without it, successful grout performance cannot be guaranteed.

##### MIXING

- ❖ Mortar is prepared by mixing TileEx Unsanded Grout with 30-35% by weight of water using mechanical stirring for 2-3 minutes until a lump-free consistency is achieved.
- ❖ To avoid colour variation, dry blend the powder first if using two or more bags.
- ❖ The grout paste remains workable for 30 minutes at 27°C.

##### APPLICATIONS

- ❖ Firmly press the grout into the joints using a spatula, putty blade, or any suitable applicator, ensuring the joints are completely filled.
- ❖ Apply standard grouting techniques to work the grout into the tile joints.
- ❖ Ensure the entire joint is fully packed with grout. Remove excess material from the joints and surface by moving a squeegee diagonally across the grout lines.

##### CLEANING

- ❖ Wipe off any stains on the tiles with water after 2-3 hours.
- ❖ Use a damp sponge to clean the grout from the tile surface.
- ❖ Clean tools with water immediately after use or application.

### COVERAGE

Consumption of grout is dependent on the substrate, surface profile, roughness, size of the tiles, the joints between them and wastage during application

Coverage of Grout can be calculated theoretically through the following formula:

$$\text{Coverage}(\text{kg}/\text{m}^2) = 1.9 \times T \times J \times \frac{(L + W)}{(L \times W)}$$

T = Thickness of tile, mm

J = Joint width, mm

L = Length of tile, mm

W = Width of tile, mm

1.9 = Wet density considered as 1.9 (varies with shade of grout)

Dimension of Tile (mm)			Theoretical coverage, kg/m <sup>2</sup>		
Length	Width	Thickness	Joint width 1 mm	Joint width 2 mm	Joint width 3 mm
100	100	3	0.11	0.23	0.34
200	300	6	0.10	0.19	0.29
450	600	10	0.07	0.15	0.22
600	600	8	0.05	0.10	0.15
1800	1200	12	0.03	0.06	0.10

### PRECAUTIONS & NOTE

- ✓ For highly absorbent natural stones/marbles which may form a wet or colored patch when tile grout is applied, do sample test to check for possible staining.
- ✓ Do not apply it on wet or damp tile joints. Always apply on completely dry tile joints.
- ✓ Apply masking tapes along tile joints while working on unglazed floor tiles, porous tiles & natural stones, tiles with matt glaze or textured surfaces.
- ✓ Do not add additional water to the already mixed grout paste.
- ✓ While cleaning, change cleaning cloth/sponge when they are impregnated with grout.
- ✓ Protect from direct rainfall & foot traffic for at least 24 hours.
- ✓ Do not use acid to clean joints.
- ✓ The shade card is for reference only; the actual shade may vary.
- ✓ TileEx Unsanded Grout is not recommended for areas requiring high chemical or stain resistance, high-performance, or industrial environments. For such applications, use TileEx Two-Component Epoxy Grout.

### HEALTH & SAFETY INFORMATION

- Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- Use rubber hand gloves & safety goggles, while using product.
- Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Keep out of reach of children.