

TILE GROUT

KB BuildChem Tile Grout is a premium polymer-modified cementitious grout formulated for interior and exterior applications. It offers excellent joint strength, improved adhesion, and enhanced durability for long-lasting performance. It is ideal for grouting ceramic tiles, vitrified tiles, marble, granite, mosaic, and natural stones on both walls and floors, delivering a smooth, uniform, and reliable finish.

APPLICATION

- **Polymer-Modified Formulation** : Enhanced with special polymers to improve bonding strength, flexibility, and overall durability compared to conventional cement grouts.
- **Suitable for Interior & Exterior Use** : Designed to perform reliably in both indoor and outdoor conditions, resisting weathering and environmental exposure.
- **Superior to Ordinary White Cement** : Offers better adhesion, improved strength, and enhanced aesthetic finish compared to traditional white cement filling.
- **Non-Shrink & Crack Resistant** : Special formulation minimizes shrinkage during curing, preventing hairline cracks in joints.
- **Smooth & Uniform Finish** : Provides neat, consistent joints that enhance the overall appearance of tiled surfaces.
- **For Walls & Floors** : Applicable on both vertical and horizontal tiled surfaces for residential and commercial projects.

MERITS

- **Ready-to-Mix Formula** : Pre-blended grout that requires only water for quick and hassle-free preparation.
- **Polymer-Modified Cementitious Base** : Enhanced with polymers for improved bonding strength and long-lasting durability.
- **Crack-Free & Non-Shrink** : Special formulation minimizes shrinkage and prevents hairline cracks in joints.
- **Multiple Colour Options** : Available in attractive shades to complement various tile designs.
- **Smooth Finish & Good Coverage** : Provides uniform joints with excellent spread ability and economical usage.
- **Enhances Surface Aesthetics** : Creates neat, consistent tile joints that improve the overall appearance of walls and floors.

DIRECTION OF USE



Surface Preparation :

- Ensure the surface is clean and free from dust, loose particles, oil, grease, or contaminants.
- Make sure tile joints are properly cleaned and saturated with water prior to grouting.
- Remove any excess standing water from the joints before application.



Application Procedure :

- Gradually add approximately **2.5 parts of powder to 1 part of clean water** (by volume).
- Mix thoroughly to obtain a smooth, workable, and stiff paste.
- Use a slow-speed mechanical mixer for uniform consistency.
- Do not add extra water later to extend pot life, as it may affect performance.
- Apply the grout diagonally across the tile surface using a rubber grouting trowel, ensuring joints are completely filled.
- Remove excess grout from the tile surface using a damp sponge within **45-60 minutes**.
- After approximately **3 hours**, clean and polish the tiles using a dry cloth.

Coverage :

Tile Size (mm)	Tile Size (Inches)	Thickness (mm)	2 mm Joint (Kg/sqm)	3 mm Joint (Kg/sqm)	5 mm Joint (Kg/sqm)
200 X 300	8 X 12	6	0.15	0.17	0.28
300 X 300	12 X 12	7	0.10	0.16	0.26
450 X 450	18 X 18	8	0.08	0.123	0.204
600 X 600	24 X 24	9	0.069	0.104	0.173

STORAGE

- 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.

Available Packaging

750 Gms, 20 kg

TECHNICAL DATA

General Properties

Testing Properties	Test Result
Paste Density	1.10 – 1.20 gm/cc
Pot Life	Approx. 60 minutes
Time to Walk on Floor	24 hours after grouting
Recommended Joint Width	1 – 6 mm
Minimum Application Temperature	10°C
Service Temperature Resistance	5°C – 35°C
Initial Setting Time	60 – 120 minutes
Final Setting Time	160 – 220 minutes
Compressive Strength (28 Days)	> 16 MPa

SAFETY PRECAUTION

- **Personal Protective Equipment (PPE)** : Always wear rubber gloves, safety shoes, and safety goggles while handling or applying the product.
- **Avoid Contact** : Prevent direct contact with skin and eyes.
- **In Case of Eye Contact** : Immediately rinse with plenty of water and seek medical attention.
- **Hygiene** : Wash hands thoroughly after use and avoid inhalation of dust.
- **Storage & Handling** : Keep out of reach of children and animals. Store in a dry, cool place, away from moisture and direct sunlight.

Disclaimer : Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.



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