



# Technical Data Sheet

## BC TILE GROUT

### Cementitious Grout for Tile Joints

#### 1). Product Description

BC Tile Grout is a one-component, pre-packed, cementitious grout formulated with high-quality cement, selected pigments, and advanced admixtures. It is designed to fill tile joints effectively, providing both stability and aesthetic finish. The product ensures durable and uniform joints resistant to shrinkage and discoloration.

#### 2). Uses

BC Tile Grout is suitable for grouting various types of tiles and stones, including:

- Ceramic, porcelain, mosaic, marble, granite, and natural stone tiles
- Interior and exterior walls and floors
- Wet areas such as bathrooms, kitchens, showers, and swimming pools
- Dry areas such as corridors, offices, and living spaces
- Residential, commercial, and industrial flooring
- Facades and exterior cladding
- Tile joints in high-traffic areas such as malls, airports, and hospitals
- Can be used over underfloor heating and temperature-variable substrates

#### 3). Features & Benefits

- Excellent crack resistance
- Non-sag, thixotropic consistency
- Consistent and uniform color quality
- Easy to mix and apply — only water required
- Excellent adhesion to tile edges
- Resistant to moisture and moderate abrasion
- Suitable for horizontal and vertical applications



#### 4). Technical Properties

Property	Result / Description
Appearance	Fine colored powder
Density	~1.86 kg/L
Mixing Ratio (by weight)	0.33 L water per 1 kg grout
Mixing Ratio (by volume)	1 part water: 2.5 parts grout
Pot Life	~1 hour @ 25 °C
Foot Traffic Time	After 24 hours
Full Cure	7 days
Ambient Temperature Range	+15 °C to +40 °C
Coverage	1 kg grout covers approx. 25 linear meters (3 × 6 mm joints)

#### 5). Application Instructions

##### Surface Preparation

- Tile joints must be clean, dry, and free from oil, grease, dust, loose particles, and cement laitance.
- Remove any previous grout residues or contaminants before application.

##### Mixing

- Pour the required quantity of clean, potable water into a clean mixing container.
- Gradually add BC Tile Grout while mixing continuously using a slow-speed mechanical mixer (300–600 rpm).
- Mix for approximately 3 minutes until a smooth, homogeneous, lump-free paste is obtained.
- Allow the mix to rest for 2 minutes, then remix briefly before application.





## Application

- Apply the grout diagonally across the joints using a rubber trowel or squeegee to ensure full compaction.
- Remove excess grout from the tile surface before it hardens.
- After approximately 10–15 minutes (depending on temperature), clean tiles with a damp sponge in circular motion.
- Avoid excessive water during cleaning to prevent color variation.
- Allow joints to cure for 24 hours before foot traffic.

## Cleaning of Tools

Clean all tools and equipment immediately after use with clean water. Hardened material can only be removed mechanically.

## 6). Precautions / Limitations

- Do not add cement, sand, or any other additives.
- Do not mix fresh material with old partially set grout.
- Use only clean water — do not use saline or salty water.
- Avoid application under direct sunlight or high wind.
- Never use strong acid cleaners to remove hardened grout from tile surfaces.
- Protect joints from water exposure for at least 24 hours after application.

## 7). Coverage

1 kg grout covers approx. 25 linear meters (3 × 6 mm joints)

## 8). Packaging

- 20 kg bag



## 9). Storage & Shelf Life

- Store in a dry, shaded area at temperatures between +5 °C and +30 °C.
- Protect from moisture and direct sunlight.
- Shelf Life: 12 months in unopened, original packaging.

## 10). Health & Safety

- Avoid contact with skin and eyes. Use gloves, goggles, and protective clothing during application.
- In case of contact, rinse immediately with plenty of clean water and seek medical advice if irritation persists.
- Refer to the product Safety Data Sheet (SDS) for detailed information.

### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

