



Technical Data Sheet

JB-Classic-Grout

Polymer Modified Cementitious Grout for Wall & Floor Tile / Stone Joints

1. DESCRIPTION

JengaBond® JB-Classic-Grout is a high quality polymer-modified, water-resistant, cement-based tile joint grout designed for grouting glazed ceramic wall tiles, porcelain tiles, mosaics, vitrified & fully vitrified tiles, terracotta, and natural or engineered stones. Formulated for joint widths from 1 mm to 6 mm in interior and exterior applications.

2. AREAS OF APPLICATION

Application Area	Suitability / Guidance
Walls & Floors (Internal & External)	✓ Fully Suitable
Dry & Wet Areas (Domestic & Commercial)	✓ Fully Suitable
Showers & Bathrooms	✓ Suitable (Allow min. 2 weeks curing before shower use; mix with admix)
Swimming Pools & Water Features	✓ Suitable (Allow min. 3 weeks curing before water filling; mix with admix)
Heavily Trafficked Floors & Vibrating Areas	✓ Suitable (Use in conjunction with Jenga Polymer Grout Admix)

3. KEY FEATURES & ADVANTAGES

- **Bond Strength:** Superior bond strength and edge adhesion to dense porcelain, ceramic, and vitrified tiles.
- **Water Resistant:** Formulated with water-repellent polymers to resist water ingress and surface efflorescence.
- **Versatile Use:** Suitable for interior and exterior applications under diverse climate conditions.
- **Joint Range:** Smooth, crack-free finish for narrow and medium tile joints ranging from 1 mm to 6 mm.
- **Potable Water Safe:** Conforms to overall Migration Test specifications as per USFDA-175.300 (CFTRI certified for contact with potable water).
- **Colour Palette:** Available in an extensive palette of uniform, fade-resistant colours.

4. TECHNICAL SPECIFICATIONS & PHYSICAL PROPERTIES

Property	Specification / Value (@ 27 ± 1°C)
Joint Width Range	1 mm to 6 mm

Pot Life	30 minutes
Setting / Curing Time	24 hours
Temperature Resistance	-30°C to +150°C
Mixing Ratio (Water : Grout)	1 : 3 by volume (approx. 600–660 ml per 2 kg bag)
Compressive Strength @ 24 hours	≥ 4.00 kN
Compressive Strength @ 48 hours	≥ 8.00 kN
VOC Content / Wet Density	5.15 g/L (Eco-friendly) Wet Density: 1.80 g/cc

5. COVERAGE ESTIMATES (PER 2 KG BAG)

Calculated coverage per 2 kg bag of JB-Classic-Grout (in square metres) across standard tile formats and joint widths:

Tile Size (mm)	2 mm	3 mm	4 mm	5 mm	6 mm
200 × 300 × 6	11.12	7.70	5.72	4.66	4.26
300 × 300 × 8	10.52	7.14	5.40	4.34	3.64
300 × 600 × 10	11.12	7.40	5.72	4.54	3.84
450 × 450 × 10	12.50	8.34	6.46	5.12	4.26
600 × 600 × 10	16.66	11.12	8.34	6.66	5.72
800 × 800 × 10	22.22	15.38	11.12	9.10	7.40
1000 × 1000 × 10	28.58	18.18	14.28	11.12	9.52

Theoretical Coverage Formula: Coverage (kg/m²) = [(Tile Length + Tile Breadth) × Tile Thickness × Joint Width × 1.80] / [(Tile Length + Joint Width) × (Tile Breadth + Joint Width)]

*Coverage for 2 kg bag = 2.0 / [Coverage in kg/m²]. All dimensions in mm, Wet Density = 1.80 g/cc.

6. APPLICATION INSTRUCTIONS

A. Surface Preparation

- **Adhesive Bed:** Ensure tile adhesive is fully cured (min. 24 hours) and remove all tile spacers prior to grouting.
- **Joint Cleaning:** Clean joints of all dust, residual adhesive, efflorescence, and laitance using a grout raker.
- **Moistening:** Lightly pre-wet joints with clean water using a damp sponge before application (ensure no standing water).



B. Movement & Expansion Joints

- **Movement Joints:** Movement joints must be provided in accordance with BS 5385: Parts 1–5 and sealed with a flexible sealant. Intermediate floor joints should be reinforced with stainless steel profiles where hygiene/traffic is critical.

C. Mixing Procedure (2 kg Bag)

- **Water Content:** Measure 600 to 660 ml clean water into a clean vessel and gradually add the 2 kg JB-Classic-Grout powder (1 : 3 volume ratio).
- **Slaking & Blending:** Mix with a slow-speed electric stirrer (< 300 rpm) until a homogeneous, lump-free, creamy paste is obtained. Allow the mix to slake for 2–3 minutes, then remix for 30 seconds before application.
- **Admixture Addition:** For swimming pools, showers, and heavy traffic, mix 200 ml Jenga Polymer Grout Admix with 460 ml clean water per 2 kg bag.
- **Important:** Do not re-temper set grout with additional water as this reduces mechanical strength and causes colour shade variation.

D. Application & Finishing

1. Using a rubber grout float or squeegee held at 45°, compact the mixed grout firmly and diagonally into joints ensuring complete filling without voids.
2. Remove excess grout diagonally across the tile surface using the float edge.
3. Allow grout to firm up for approx. 15–20 minutes. Clean the tile surface diagonally with a damp sponge, rinsing the sponge regularly in clean water.
4. Once the grout has set, polish the tile surface with a clean, dry microfiber cloth to remove residual haze.

7. PACKAGING, STORAGE, SAFETY & DISCLAIMER

- **Packaging & Shelf Life:** Available in 500 g, 1 kg, 2 kg, and 10 kg moisture-proof packaging. Shelf life is 12 months when stored in dry, unopened conditions.
- **Cleaning:** Clean tools and containers with clean water immediately after use while grout is fresh.
- **Health & Safety:** Contains Portland cement. Wear protective gloves, safety eyewear, and clothing. In case of eye contact, rinse immediately with plenty of clean water and seek medical advice. Keep out of reach of children. Refer to SDS.
- **Special Recommendations:** For chemical resistance, hygiene, and sterile requirements (commercial kitchens, chemical plants), use JengaBond® JB-EP-GROUT3K or JB-Epoxy-ADH.
- **Warranty & Disclaimer:** BGSB Construction Products Ltd warrants that its products are free from manufacturing defects. Technical information is provided in good faith based on laboratory tests and field experience. BGSB accepts no liability for loss arising from improper application or site conditions.