



### **BP Tilegrout EP** (3K Epoxy based Tile Grout with extreme high properties)

**BP Tilegrout EP** is a 3 component, solvent free, epoxy joint filler for ceramic tiles, marbles, and granite, etc. It sets to a decorative, crack proof, spill proof, waterproof, and chemical resistant finish with high compressive strength, tensile strength with high bond properties.

**Uses & Advantages:** is waterproof and does not allow growth of bacteria, and best used for wet areas where hygiene is priority like swimming pools, ponds, kitchen, laboratories, operation theatre, etc. Tiles should not be grouted until at least 24 hours after fixing.

#### **Directions for use:**

**Surface Preparation:** As a general rule, allow min 24 hours before grouting and ensure tiles are fixed securely in place. Use Buildplus tile adhesive for fixing tiles. Joints should be free of dirt and excess adhesive. For proper cleaning; use stiff nylon brush & an air blower to blow away dirt and other contaminants.

**Mixing:** Pour hardener into the base container & stir gently with an electric agitator for 30 seconds. While using an electric agitator, slowly add the contents of the coloured filler (fine colour powder) into the base & hardener mix. Mix until a uniform homogeneous slurry is obtained and leave to stand for 1 minute then stir again before filling in the joints.

**Application:** Apply to tile joints with a squeegee, brush or trowel. Remove surplus grout with a dry cloth. When grouting is completed; clean tiles with a dry cloth. Any hard or set material should be discarded and should not be remixed or reused. Clean tools and equipment with Buildplus solvent after use.

#### **Watch Point:**

Mix one kit at a time and apply grout to an area enough to work before setting/hardening commences.

While cleaning the grouted surface of floor and wall tiles, do not use harsh chemicals such as acids based cleaners, strong alkaline detergents & oxidising agents that may harm the grouting & change the appearance of the colour and service expectancy of the grout.

#### **Notes:**

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385 and CP 202.

#### **Typical Properties:**

Pot life @ 25 <sup>0</sup> C	: 60 minutes
Pot life @ 35 <sup>0</sup> C	: 30 minutes
Shelf Life	: 12 months, if stored properly
Initial cure @25 <sup>0</sup> C	: 8 hours
Full cure @25 <sup>0</sup> C	: 7 days
Compressive strength	: > 80 N/mm <sup>2</sup> at 28 days
Tensile Strength	: > 16 N/mm <sup>2</sup> at 28 days
Flexural strength	: > 28 N/mm <sup>2</sup> at 28 days

#### **Coverage:**

Approximately 6m<sup>2</sup> / kit (Using 20 cm x 20 cm x 0.5 cm tiles with 2 mm joint gaps)

#### **Workability:**

Working time of BP Tilegrout EP is 60 minutes at 25<sup>0</sup>C, after 30 seconds standing time and the mixed material must be used before drying out occurs; and therefore, it is essential to work with a small quantity preferably one kit at a time. Partial mixing is not allowed.

#### **Composition:**

BP Tilegrout EP is a 3 component system with blend of hydrophobic mineral fillers & organic additives supplied as a fine powder in white and a wide range of attractive colours. BP Tilegrout EP is resistant to cracking in joints up to 3mm wide in the hardened state. It is water resistant, self coloured & ideal for interior, exterior, pools, ponds, laboratory, hospitals, and kitchens etc where hygiene is priority.

**Colour:** Several colours of choice to match the tiles

#### **Code Practice:**

Fixing of tiles and grouting should be carried out in accordance with relevant British Standards or BS Codes of Practice, details of which can be obtained from BS Institute, British standard House, 2 Park Street, London.



# BUILD PLUS

## CONSTRUCTION CHEMICALS

**Pack Size:** 8 kg kits (Base + Hardener + Filler)

### **Shelf Life & Storage:**

12 months if stored properly in original unopened packing in dry & ventilated conditions away from direct sunlight. It should be stored as supplied, until ready for use. Pallets can be stacked two high provided care is taken. Opened Sacks should be used first. Use oldest material first.

### **Technical support:**

Buildplus offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

### **Quality & Care:**

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a Buildplus Management System to conform to the requirements of the quality, environmental, health & safety Standards.

### **Health & Safety Precautions:**

Use normal safety precautions like wear rubber hand gloves, masks, safety shoes & safety goggles, etc. For people with sensitive skins may cause irritation. As a general Code of Safety Practice, all chemical products should be treated with care, kept away from children and animals. In an emergency seek medical advice.

-----BP Tilegrout EP-----



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