

## Technical Data Sheet

### Description

**Tek-Grout EG** is a two component epoxy tile grout based on a high grade epoxy resin system with superior chemical resistance and hygienic properties.

### Advantages

- Multi component
- Solvent-free
- Waterproof
- Hygienic
- Chemical resistance
- High bond strength
- For both vertical and horizontal applications
- Suitable for internal and external applications

### Uses

In tiling situations were hygienic, chemical resistance and immersed conditions.

- Medicinal baths
- Dairies
- Commercial kitchens
- Battery stores
- Car washes
- Breweries
- Silos
- Stables
- Swimming pools
- Laboratories & clean rooms

### Physical Properties\*

Property	Typical Results
Density	1.6 kg/m <sup>3</sup>
Flexural Strength	>20 MPa – at 28 days
Tensile Strength	>15 MPa – at 28 days
Water Absorption	<1%
Bond to epoxy adhesive	>5 MPa
Maximum service temperature	60°C

\*The above properties are average laboratory values

### Packing

**Tek-Grout EG** is available in 5 kg pack.

### Available Colors

Grey & White and other Standard colors depending upon minimum order quantity.

### Theoretical Coverage

Tile size in cm	Tile thickness mm	Joint width mm	Amount kg/m <sup>2</sup>
5 / 5	5	4	approx. 1.3
10 / 10	8	4	approx. 1.0
15 / 15	6	6	approx. 0.8
10 / 20	6	6	approx. 0.9
10 / 20	10	8	approx. 1.9
20 / 20	10	8	approx. 1.3

### Application properties

Mixing ratio	A:B = 2 ½:1 parts by wt.
Application time	Approx. 90 minutes
Open time	Approx. 90 minutes
Application temperature	+10°C to +40°C
Load-bearing strength	After 24 hours
Chemical resistance	After 7 days full cure
Temperature resistance after full cure	-30°C to +100°C (dry heat)

### Shelf Life

12 months when stored in factory packed unopened kit stored in a cool dry and elevated place away from direct sunlight. Use product in opened containers as soon as possible.

### Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

## Surface Preparation

The tile joints must be clean, free of any contamination.

## Mixing

**Tek-Grout EG** is supplied as a two component epoxy resinous product. Pour hardener (component B) to base (component A) into suitable clean container and mix with low speed drill (400-800 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve lump-free right smooth consistency and uniform color.

## Application

**Tek-Grout EG** should be applied after 12 hours but within 24 hours after application of the tile adhesive. This will help ensure uniform stress distribution at the bond line and maximum bond. Apply using a rubber grouting spatula or trowel, taking care to ensure that is well compacted into the joints. Excess material should be removed immediately from the tile surface using a damp cloth or sponge.

## Joints

Ensure that movement and perimeter joints are incorporated as per the standard practice.

## Precautions

Do not re-temper the mix.

Ensure the temperature of the mortar does not exceed 35°C at the time of mixing.

Do not mix by hand.

Do not part mix, use full pack.

Do not expose to running water until the product is fully cured.

## Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

## Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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