

Technical Data Sheet

Description

Tek-Grout AFG is a single component cementitious grout designed specifically for wall and floor tile applications for joints upto 15mm wide. The added powder polymer in grout provides flexibility and water resistance to provide a Anti-fungal growth durable water repellant finish.

Advantages

- Single component
- Excellent water resistance
- Fills joints from 3 – 15 mm
- Excellent crush and flexural strength
- Interior / exterior use
- Resists mould growth for up to 10 years.

Uses

- In tiling situations were hygienic and wet conditions.
- Grouting floor and wall tiles on most surfaces up to 15 mm joint width
- Recommended for grouting domestic, communal, power shower areas and food industries
- Suitable for use with ceramic, quarry and natural stone tiles and mosaics

Physical Properties*

| Property | Typical Results |
|--|---------------------|
| Compressivestrength | >20 MPa – at 28days |
| FlexuralStrength | >3 MPa – at 28days |
| TensileStrength | >15 MPa – at 28days |
| WaterAbsorption | <10% |
| Bondstrength | >2.5MPa |
| Shore 'D'Hardness | >70 |
| *The above properties are average laboratoryvalues | |

Packing

Tek-Grout AFG is available in 10 kg bag. Yield approximately 6.0 lt. per 10kg bag, when mixed with 3.6 lt. of clean water.

Available Colors

Grey, white and beige. Other Standard colors depending upon minimum order quantity.

Theoretical Coverage kg/m²

| Tile size (mm) | Joint width | | |
|----------------|-------------|-----|-----|
| | 2mm | 3mm | 4mm |
| 25x25x6 | 1.9 | 2.8 | 5.6 |
| 50x50x6 | 0.8 | 1.2 | 2.4 |
| 100x100x10 | 0.8 | 1.1 | 2.2 |
| 100x100x13 | 1.0 | 1.4 | 2.8 |
| 100x200x10 | 0.6 | 0.8 | 1.6 |
| 100x200x13 | 0.8 | 1.1 | 2.2 |
| 150x150x10 | 0.6 | 0.8 | 1.6 |
| 150x150x13 | 0.7 | 1.0 | 2.0 |
| 150x150x19 | 1.0 | 1.4 | 2.8 |
| 200x200x10 | 0.4 | 0.6 | 1.2 |
| 200x200x13 | 0.6 | 0.8 | 1.6 |
| 250x250x10 | 0.3 | 0.4 | 0.8 |
| 300x300x10 | 0.2 | 0.3 | 0.6 |
| 300x300x13 | 0.2 | 0.3 | 0.6 |

Application properties

| | |
|-------------------------|-----------------------------|
| Water Mixing ratio | 3.6 lt clean water per 10kg |
| Open time | Approx. 60 minutes |
| Application temperature | +10°C to +40°C |
| Load-bearing strength | After 8 hours |
| Maximum joint width | 4 mm |

Shelf Life

12 months when stored in factory packed unopened bag, 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 AFG is supplied as a single component cementitious product. Pour 3.6 lt. of clean water 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 AFG should be applied after 12 to 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.

Curing

Once grouting has been completed and set in hot weather conditions, cure for two days by mist spraying with clean water at regular intervals (2 – 3 hours). In hot and windy conditions cure covering with polythene sheet sealed with masking tape after the initial mist spray.

Precautions

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

Do not use for tile joint width greater than 4mm.

Do not apply to substrate that have free water standing.

Do not apply to dry substrates.

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.

| Reference # | TDS / STC/TGAFG |
|-------------|-----------------|
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Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae

www.spraytek-me.com