



Technical Data Sheet

Description

Tek-Grout EP is a pourable epoxy resin grout used for variety of grouting and anchoring applications where high dynamic loads are anticipated and high early strength is required.

Advantages

- High early strength
- Non shrink
- Resistant to a wide range of chemicals
- Vibrant resistant
- Dimensionally stable
- Waterproof

Uses

- Base plate grouting
- Machine grouting
- Crane rail grouting
- Anchor bolts

Physical Properties*

| Property | Typical Results |
|---|-----------------|
| Solid content by weight | 100% |
| Compressive Strength @ 7 days | 90 MPa |
| Tensile Strength @ 7 days | 18 MPa |
| Flexural Strength@ 7 days | 30 MPa |
| Application Temp | 5 – 35°C |
| Initial cure @ 35 deg C | 18 Hr |
| Full cure @ 35 deg C | 3 days |
| Pot Life @ 25 Deg C | 30 Min |
| *The above properties are average laboratory values | |

Standards Compliance

ASTM C 109, ASTM D 638, ASTM C 580

Packing

Tek-Grout EP is available in 16 kg pack of part A, B and C.

Theoretical Coverage

1 m²@ 8 mm thickness per pack

Actual coverage rate depends upon wastage and surface profile.

Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers between 5°C – 25°C.

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

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding by shot blasting or water blasting.

Remove all rust from the rebar, if any, and immediately apply **Tek-Prime ZR** onto the full surface of the rebar and allow to dry.

Mixing

Tek-Grout EP comes in 3-component ready to mix pack. Under no circumstance should part mixing be allowed. First mix the two liquid components (A & B) for 3 minutes, then transfer to a clean suitable mixing container. Add part C slowly while simultaneously mixing with a slow speed drill fitted with a paddle, mix for 5 minutes until a uniform consistency and all fillers are coated. Apply immediately.

Application

Place the mixed grout immediately after mixing; any delay will reduce the ability of the product to flow. Pour continuously from one side only at a uniform rate until

the grout has flowed into the position. Care must be taken when pouring the material to ensure that no voids or trapped air are in the filled gap. It is important that sufficient material is always mixed and ready to pour in order to ensure continuous flow.

Cleaning

All tools shall be cleaned with solvent as per Spraytek recommendation immediately after use. Hardened materials can be removed mechanically only.

Precautions

Do not add any thinner or solvent.

Do not apply in wet conditions or at temperature below 3°C of the dew point.

Do not dispose into water drains.

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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