

Flowable epoxy resin grout

Product Description

TAL EPOXYGROUT 150 is a flowable epoxy resin grout used for a variety of grouting and anchoring applications where high dynamic loads are anticipated and high early strength is required.

Composition

TAL EPOXYGROUT 150 is a three component pre-measured system consisting of a base, hardener and a filler component containing graded silica sands.

Advantages

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

Uses

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

Laboratory Test Data

Property	Typical Results
Compressive strength (ASTM C309)	≥80MPa at 7 days
Flexural strength (ASTM C580)	≥30MPa at 7 days
Service temperature	-40C to +50C

Cure Profiles

	20°C	35°C
Pot life	30 mins	15 mins
Full cure	5 days	3 days

Flow Properties

Temperature	10°C	20°C	30°C
Maximum Flow	0.8m	2m	3m

The above flow rates were determined at a gap depth of 30mm at a head of 300mm.

Gap Depth when used under base plates

Minimum: 12mm
Maximum: 150mm

Packaging

5kg kits.

Shelf Life

18 months when stored at 30°C or less in a frost-free, dry and shaded area.

Installation Guidelines

Epoxy grouting should only be carried out by experienced contractors. TAL provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Mixing

Pour the base component into a suitable clean mixing vessel, and while stirring slowly, add the hardener component and mix for 2 minutes. Once the base and hardener have been mixed, add the filler and mix for a further 3 minutes. A mechanical mixer such as a slow speed drill and EPI MR2, or similar mixing paddle, is recommended for small batch sizes. For large batch sizes a forced action mixer should be used.

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 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.

Limitations

Will change colour when exposed to direct sunlight.
Do not apply below 5°C.
Avoid skin contact.
Do not discard into the water system.

