

DATA SHEET

312 HIGH STRENGTH EPOXY FLUID GROUT

(Page 1 of 3)

V1-28/11/2014

DESCRIPTION

- 312 Epoxy is a 3-component, non-shrink, high strength, pourable or pumpable grout.

PRACTICAL USES

- Grouting in rail chair lugs and under rail chairs to achieve accurate pre-set levels
- Machine bedding
- Crusher backing
- Fixing bolts and anchors into concrete
- A high strength, pourable, gap filling compound

PERFORMANCE & DURABILITY

- Compressive Strength:
 - 50 mPa after 48hrs@25°C
 - 90 mPa after 7 days@25°C
- Bond strength: concrete fails

CHEMICAL RESISTANCE

- Resistant to most dilute acids and alkalis, petroleum products and salt water.

SURFACE PREPARATION

All surfaces must be clean and mechanically sound and free of oil, dirt & dust. Concrete and cement screeds to preferably have a wood float finish, with a minimum compressive strength of 25mPa. Sweep blast or acid etch to remove laitance. (See “preparation of concrete surfaces” by).

DATA SHEET

312 **HIGH STRENGTH EPOXY FLUID GROUT**

(Page 2 of 3)

VI-28/11/2014

MIXING

- Thoroughly mix the resin and activator in the proportions given, then add the aggregate using a slow speed mechanical mixer. Allow to stand for +/- 10 minutes to allow air bubbles to escape.

APPLICATION

Pour the mixed grout into the cavity ensuring the following precautions:

- Allow trapped air to escape
- A gap of more than 20mm must be allowed for horizontal flow at 25°C.
- Do not apply below 15°C as the compound will become less fluid.
- Epoxy resin grouts build up heat as they begin to gel due to an exothermic reaction process, especially when large volumes are poured.
- Contact our technical department for advice.

CLEANING EQUIPMENT

- Clean equipment immediately after use with Water Soluble Brush Cleaner.

TOXICITY

- Although 312 Epoxy Fluid Grout is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional epoxy resin systems are adhered to. Refer to the 16 point Material Safety Data Sheet.

HOW TO SPECIFY

- All equipment to be prepared and grouted into place with 312 Epoxy Fluid Grout in accordance with the manufacturer's instructions.

DATA SHEET

312

HIGH STRENGTH EPOXY FLUID GROUT

(Page 3 of 3)

VI-28/11/2014

TECHNICAL DATA

COLOUR	: Grey
N°. OF COMPONENTS	: 3 (Epoxy + Activator + Aggr)
MIXING RATIO (by weight)	: 5kg Epoxy : 2kg Activator : 15kg Aggregate
VOLUME SOLIDS	: 100%
MIXED DENSITY	: +/- 2.0
FLASH POINT	: > 100°C
PRACTICAL SPREAD RATES	: 1ℓ/m ² /mm
POT LIFE @ 25°C	: 45minutes.
HARD DRY @ 25°C	: 8 hours
PRACTICAL CURE @ 25°C	: 24 hours
FULL CURE @ 25°C	: 7 Days
APPLICATION TEMPERATURE	: 10 to 40°C
OPERATING TEMPERATURE	: -20°C to +80°C
CLEANING EQUIPMENT	: WSBC
STORAGE TEMPERATURE	: 10 to 40°C
SHELF LIFE	: 24 months
PACK SIZE	: 22 kgs (11 litres)

NOTE: The product may be bulked up to a trowel consistency by adding up to 50% Type "C" Aggregate.

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.