

# Dekster

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## DATA SHEET

### DEKSTER 311 UNDERWATER CURING EPOXY FLUID GROUT

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VI-28/11/2014

#### DESCRIPTION

- Dekster 311 Epoxy is a 2-component, non-shrink, high strength, fluid grout designed for under water or wet conditions. Dekster 311 can also be used as a self leveling floor coating. Based on a hydrophobic resin system it has the unique ability to displace water to ensure good adhesion.

#### PRACTICAL USES

- Machine bedding
- Crusher backing
- Fixing bolts and anchors into concrete
- Levelling and fixing rail chairs and lugs
- A high strength, pourable, gap filling compound
- A high strength, self leveling floor

#### PERFORMANCE & DURABILITY

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

#### CHEMICAL RESISTANCE

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

#### SURFACE PREPARATION

- All surfaces must be clean & 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. Abrasive blast, diamond grind or acid etch to remove laitance. (See "preparation of concrete surfaces" by Dekster).

DEKSTER COATINGS (PTY) LTD REG NO. 2013/106812/07

Vat reg no:4120240140

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#### MIXING

- Thoroughly mix the resin and activator in the proportions given, using a slow speed mechanical mixer. Allow to stand for +/- 5 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.
- For floors, use notched rake and spike roller

#### CLEANING EQUIPMENT

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

#### TOXICITY

- Although Dekster 311 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 Dekster311 Epoxy Fluid Grout in accordance with the manufacturer's instructions.

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#### TECHNICAL DATA

<b>COLOUR</b>	: Grey
<b>N°. OF COMPONENTS</b>	: 2 (Epoxy + Activator )
<b>MIXING RATIO (by weight)</b>	: 10:1
<b>VOLUME SOLIDS</b>	: 100%
<b>MIXED DENSITY</b>	: +/- 2.0
<b>FLASH POINT</b>	> 100°C
<b>PRACTICAL SPREAD RATES</b>	1 l/m <sup>2</sup> /mm
<b>POT LIFE @ 25°C</b>	: 60Min.
<b>HARD DRY @ 25°C</b>	: 8 hours
<b>PRACTICAL CURE @ 25°C</b>	: 24 hours
<b>FULL CURE @ 25°C</b>	: 7 Days
<b>APPLICATION TEMPERATURE</b>	: 10 to 40°C
<b>OPERATING TEMPERATURE</b>	: -20°C to +80°C
<b>CLEANING EQUIPMENT</b>	: Dekster WSBC
<b>STORAGE TEMPERATURE</b>	: 10 to 40°C
<b>SHELF LIFE</b>	: 24 months
<b>PACK SIZE</b>	: 15 kgs (7,5 litres)

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.

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