

## **DATA SHEET**

### **513** **FOOD GRADE EPOXY LINING**

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V1-22/11/2013

#### **DESCRIPTION**

- 513 is a solvent free, high build epoxy coating utilizing resins compliant with the requirements of FDA regulation 21CFR 175.300 for coatings or tank linings in contact with food, edible oils, water or alcoholic beverages containing up to 12% alcohol by volume.

#### **PROPERTIES**

- Potable water tank linings
- Brewery and wine tank linings
- Lining of steel and concrete tanks & silos

#### **CHEMICAL RESISTANCE**

- Resist most common aggressive chemicals, petroleum products, dilute acids and alkalis, aliphatic solvents and sea water, wine and beer.

#### **INSTRUCTIONS**

- **PREPARATION:** Grit-blast to Sa 2½ (ISO 8501-1:1988). If soluble salt levels are above 30mg/m<sup>2</sup>, high pressure wash with Holdtight 102 diluted 50:1 with clean water.
- **PRIMING:** Steel: 501. Concrete or Plaster : 101
- **MIXING:** Mix the epoxy and activator in the proportions given using a mechanical mixer. Make sure only sufficient quantity is mixed that can be used within 60 minutes.
- **APPLICATION:** Apply 2 or 3 coats by brush, roller or airless spray to achieve minimum 500µ DFT. Subsequent coats should be applied as soon as possible after each coat is sufficiently hard enough to walk on. (Maximum over-coating time 24hrs @ 25°C) May also be used with fibreglass reinforcing.
- **CLEANING EQUIPMENT:** Clean equipment immediately after use with Water Soluble Brush Cleaner.

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**TOXICITY**

- Although 513 is relatively non-toxic, it is recommended that the normal precautions in dealing with conventional Epoxy systems are adhered to. Refer to the 16 point Material Safety Data Sheet.
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#### TECHNICAL DATA

<b>COLOUR</b>	: White, grey or green
<b>MIXING RATIO ( By Volume)</b>	: 2 : 1
<b>POT LIFE (500ml @ 25°C)</b>	: 90 Min
<b>TOUCH DRY @ 25°C</b>	: 8-10 Hrs
<b>PRACTICAL CURE</b>	: 24 Hrs
<b>FULL CURE</b>	: 7 Days
<b>AVERAGE SPREAD RATE</b>	: 2 coats @4m <sup>2</sup> /l/coat
<b>DFT per coat</b>	: 2 x 250µ
<b>OVERCOATING TIME</b>	: 10-36 hours
<b>APPLICATION TEMPERATURE</b>	: 10-35°C
<b>SERVICE TEMPERATURE</b>	: Wet 50°C Dry 70°C
<b>VOLUME SOLIDS</b>	: 100%
<b>PACKAGING</b>	: 3, 15 and 60 litres
<b>SHELF LIFE</b>	: 12 months

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.