



**Description**

EPOTEC YD 518 is a diluent modified bisphenol-A based liquid epoxy resin with low viscosity.

EPOTEC TH 7318 is an ultra low viscosity modified cycloaliphatic amine curing agent. When used together it gives a system that is low in viscosity, have no emissions and possess excellent concrete penetration property. The system provides good adhesion, fast curing, high strength and good mechanical & chemical resistance properties.

**Applications**

- Crack injection system for concrete repair
- Primer coating for concrete repair systems

**Properties**

**Epotec YD 518**

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G max.
Epoxy Equivalent weight	ASTM D 1652-04	188-195 g/eq
Viscosity @25°C	ASTM D 2196-05	800-1300 cP

**Epotec TH 7318**

Appearance	Visual	Clear, yellowish liquid
Colour	ASTM D 1544-04	6 G max.
Viscosity @25°C	ASTM D 2196-05	50-80 cP

**Typical properties\***

Resin : Hardener mixing ratio	by weight	100:40
Resin : Hardener mixing ratio	by volume	100:50
Pot life (150g mix)	TEC-AS-P-111	30-60 min
Mix viscosity	ASTM D 2196-05	405 cP
Bond strength	ASTM-D-7234	3.2 MPa (concrete failure)

Hardness Shore D	ASTM D 695-85	81
Compressive strength	ISO 604	92 MPa
Flexural strength	ASTM D 790-86	93 MPa
Tensile strength	ASTM D 638-86	53 MPa

\* = Typical properties are indicated for information only

#### **Packing**

Epotec YD 518 and Epotec TH 7318 are packed and delivered in 200 lit drums, as a standard pack.  
Other packs are available on request.

#### **Storage**

Epotec YD 518 and Epotec TH 7318 should be stored in original tightly closed container, in dry and warm conditions. Under these conditions, it has a storage life of at least one year from the date of manufacturing.

#### **Handling**

Please refer to the MSDS of the individual products for more instructions on safe storage and handling of Epotec YD 518 and Epotec TH 7318.

#### **Disclaimer**

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

#### **For Additional Information, Please Contact:**

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