


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC TH 7903
Description

Epotec TH 7903 is a low viscosity modified aliphatic polyamine based mannich base curing agent for use with liquid epoxy resins. Like all other mannich base curing agents this product too possess faster reactivity, ability to cure in humid atmosphere and at lower temperatures. It shows excellent chemical resistance and can be used on damp surface. The colour of this product is high and hence this product is not suitable for use in clear or light coloured shades. The main use of this product is in undercoats etc.

Applications

- Chemical resistant coatings
- Chemical resistant mortars and grouts
- Adhesives
- Concrete bonding compounds

Specification

Appearance	Visual	Clear, brown yellow liquid
Colour	ASTM D 1544-04	10 G max.
Viscosity* @25°C	ASTM D 2196-05	1,200 – 2,100 cP
Pot life# @25°C	TEC-AS-P-111	10 – 18 min
* Brookfield viscometer		# with epotc YD 128

Typical properties *

Odour	---	Amine
Density @25°C	ASTM D 1475-98	1.09 g/cc
Amine value	DIN 16945	760 – 800 mg KOH/g
AHEW	---	~ 50
PHR with epotec YD 128 (EEW ~ 190 g/eq)	---	25 wt. %
Flash point	ASTM D 93	82°C
Thin film set time		1 – 3 hr
Glass transition temperature	DIN 11357	52°C
Tensile strength	ASTM D 638-86	630 kg/cm ²

Flexural strength	ASTM D 638-86	715 kg/cm ²
Compressive strength	ASTM D 695-85	835 kg/cm ²

* = Typical properties are indicated for information only

Packing

Epotec TH 7903 is packed and delivered in plastic drums, 200 kg per drum as a standard pack.
Other pack sizes are available on request.

Storage

Epotec TH 7903 should be stored in original tightly closed container, in dry and cool conditions. When exposed to air the product epotec TH 7903 may absorb moisture which may result in viscosity increase, frothing and white carbonation product deposition. In such case it may affect the finished product performance. When stored in tightly closed container this product has a storage life of at least one year from the date of manufacturing.

Handling

Do not mix with epoxy resin until just prior to use since reacts chemically at room temperature. Avoid contact with skin, eyes etc. Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec TH 7903.

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:**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**

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