



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

EPOTEC TH 7212**Description**

EPOTEC TH 7212 is a very low viscosity modified aliphatic amine curing agent. The low viscosity combined with high reactivity makes it ideal for crack injection system in combination with epotec epoxy resin YD 511.

Applications

- Crack injection system
- High solid/low VOC solvent free coatings
- Adhesives
- Castings

Advantages

- Good impact resistance
- High reactivity
- Very low viscosity hence good penetration in smaller cracks

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 2.0
Amine value	TEC-AS-C-058	mg KOH/g	690 - 720
Viscosity* @ 25°C	JIS-K-7233 (86)	cP	15 - 30

* Brookfield viscosity

Typical application properties - with standard Bisphenol A epoxy resin EPOTEC YD 128, EEW = 196 g/eq

Property	Test method	Unit	Specification
Mixing ratio	-	By Weight	100 : 25
Gel time (150 g mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	30 - 50
Thin film set time @ 25 °C	-	Hours	2 - 4

* Brookfield viscosity

Typical performance properties*

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C	min 40
Tensile strength	ASTM-D-638 (86)	Kg/cm ²	250 - 350
Compressive strength	ASTM-D-695 (85)	Kg/cm ²	1 - 2
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	600 - 700
Hardness	ASTM-D-2240 (86)	Shore D	80 - 82

*Sample cured with EPOTEC YD 128 (EEW = 186 g/eq) at 25°C for 7 days.

Storage

Storage life is at least 12 months from the date of manufacture when stored in original sealed container. Store the material in good ventilated, dry and cool place. Store the material away from sources of heat, ignition and direct sunlight.

Handling

Please refer to MSDS for safe handling of EPOTEC TH 7212.

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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