



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

**EPOTEC TH 7305****Description**

EPOTEC TH 7305 is a low viscosity modified cycloaliphatic amine epoxy curing agent. It cures faster at low temperature and provides surface with good gloss, resistance to a variety of chemicals.

**Applications**

- High solid coatings
- Decorative and self leveling floorings
- Chemical resistant mortars and linings

**Advantages**

- Good color and color stability
- High gloss
- Low viscosity
- Good resistance to variety of chemicals

**Typical properties**

Property	Test method	Unit	Specification
Appearance	Visual	-	Colorless to light yellow liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 2.0
Amine value	TEC-AS-C-058	mgKOH/g	385 - 405
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	20 - 80

\* Brookfield viscosity

**Typical application properties** - with standard Bisphenol A epoxy resin EPOTEC YD 128, EEW = 190g/eq

Property	Test method	Unit	Specification
Mixing ratio	-	By Weight	100 : 45
Mixed viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	2,000 - 2,500
Gel time (100 gram mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	28 - 40
Thin film set time @ 25 °C	-	Hours	5 - 7

**Typical performance properties\***

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C	48 - 55
Tensile strength	ASTM-D-638 (86)	Kg/cm <sup>2</sup>	400 - 500
Tensile elongation	ASTM-D-638 (86)	%	1.5 - 2.5
Flexural strength	ASTM-D-790 (86)	Kg/cm <sup>2</sup>	840 - 1,000
Compressive strength @ yield	ASTM-D-695 (85)	Kg/cm <sup>2</sup>	600 - 800
Hardness	ASTM-D-2240 (86)	Shore D	80 - 82

\*Sample cured with standard Bisphenol-A epoxy resin EPOTEC YD 128, (EEW = 190 g/eq) at 25°C (77°F) for 7 days.

**Storage**

Storage life at least 12 months from the date of manufacture in original sealed container. Store in good ventilated cool place. Store away from heat and humidity.

**Handling**

Please refer to MSDS for safe handling of EPOTEC TH 7305.

**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)**

Mahatun Plaza Bldg., 16<sup>th</sup> Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand.

Tel: (662) 2535031-3, Fax: (662) 2535030

Web Site: [www.adityabirlachemicals.com](http://www.adityabirlachemicals.com), E-Mail: [epoxymktg@adityabirla.com](mailto:epoxymktg@adityabirla.com)