



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

EPOTEC TH 7306**Description**

EPOTEC TH 7306 is a low viscosity modified cycloaliphatic amine curing agent. It provides rapid development of properties and at the same time sufficient working life.

Applications

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

Advantages

- Very low color and good color stability
- High gloss
- Low viscosity
- Good resistant to variety of chemicals
- Long working life
- Rapid development of physical properties

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Colorless to light yellow liquid
Color	ASTM D 1544-04	Gardner	Max. 2.0
Amine value	DIN 16945	mgKOH/g	350 - 370
Viscosity* @ 25 °C	ASTM D 2196-05	cPs	70 - 100

* Brookfield viscosity

Typical application properties

Property	Test method	Unit	Specification	
			YD 128**	YD 510***
Mixing ratio	-	By Weight	100 : 44	100 : 41
Mixed viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	800 - 1,000	500 - 700
Gel time (150 gram mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	20 - 35	25 - 50
Thin film set time @ 25 °C	-	Hours	2 - 3	3 - 4

* Brookfield viscosity

**YD 128: Standard Epoxy resin with EEW = 190 g/eq

***YD 510: Reactive diluent modified epoxy resin

Typical performance properties*

Property	Test method	Unit	Specification	
			YD 128	YD 510
Glass transition temperature	DIN 11357	°C	45 - 50	40 - 45
Tensile strength	ASTM-D-638 (86)	Kg/cm ²	700 - 800	600 - 700
Tensile elongation	ASTM-D-638 (86)	%	2 - 4	6 - 8
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	1,300 - 1,400	1,200 - 1,300
Compressive strength @ yield	ASTM-D-695 (85)	Kg/cm ²	800 - 900	700 - 800
Hardness	ASTM-D-2240 (86)	Shore D	84 - 85	83 - 84

*Sample cured with standard Bisphenol-A epoxy resin (EEW = 190 g/eq) and YD 510 @ 25°C (77°F) for 7 days.

Storage

Storage life 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 7306.

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.

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