



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

**EPOTEC TH 7210**

**Description**

EPOTEC TH 7210 is a modified aliphatic amine curing agent. It provides surfaces with very good hydrocarbon resistance.

**Applications**

- High solid coatings
- Laminates
- Adhesive
- Civil engineering

**Advantages**

- Fast curing
- Good overall chemical resistance

**Typical properties**

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 4.0
Amine value	TEC-AS-C-058	mgKOH/g	770 - 820
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	3,000 - 4,500

\* Brookfield viscosity

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

Property	Test method	Unit	Specification
Mixing ratio	-	By Weight	100 : 20
Gel time (100 gram mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	12 - 16
Thin film set time @ 25 °C	-	Hours	3 - 4

**Typical performance properties\***

Property	Test method	Unit	Specification
Glass transition temperature	ASTM-D-3418 (82)	°C	Min 55
Tensile strength	ASTM-D-638 (86)	Kg/cm <sup>2</sup>	300 - 350
Tensile elongation	ASTM-D-638 (86)	%	1.0 - 1.5
Flexural strength	ASTM-D-790 (86)	Kg/cm <sup>2</sup>	630 - 700
Compressive strength @ yield	ASTM-D-695 (85)	Kg/cm <sup>2</sup>	1,100 - 1,200
Hardness	ASTM-D-2240 (86)	Shore D	80 - 81

\*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 7210.

**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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