



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

**EPOTEC TH 7211****Description**

EPOTEC TH 7211 is a low viscosity modified aliphatic amine curing agent.

**Applications**

- High gloss coatings
- Amine blush resistant floor toppings
- Cold storage flooring
- High solid/low VOC coatings
- Adhesives

**Advantages**

- Free from amine blush
- Good color and color stability
- Good impact resistance and toughness
- Provide surface with high gloss
- Longer working time

**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	300 - 330
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	35 - 80

\* 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 : 40
Gel time (100 gram mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	80 - 120
Thin film set time @ 25 °C	-	Hours	9 - 12

**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 <sup>2</sup>	300 - 400
Tensile elongation	ASTM-D-638 (86)	%	1 - 2
Flexural strength	ASTM-D-790 (86)	Kg/cm <sup>2</sup>	800 - 900
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 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 7211.

**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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