



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

EPOTEC TH 7307**Description**

EPOTEC TH 7307 is a low viscosity, low color cycloaliphatic amine curing agent when cured with standard liquid epoxy resins, provide surfaces with high gloss and resistant to various chemicals.

Applications

- Water wipeable tile grout
- Self leveling flooring
- High solid / Low VOC coatings
- Tank linings, mortars and grouts

Advantages

- Excellent color and color stability
- Good chemical resistance
- Good resistance to amine blush
- Can cure at low temperature and in humid conditions
- Good abrasion resistance

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Clear liquid
Colour	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 2.0
Amine value	TEC-AS-C-058	mgKOH/g	325 - 355
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	30 - 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 : 50
Gel time (100 gm mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	30 - 50
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	Min 50
Tensile strength	ASTM-D-638 (86)	Kg/cm ²	500 - 600
Tensile elongation	ASTM-D-638 (86)	%	2.5 - 3.0
Flexural strength	ASTM-D-790 (86)	Kg/cm ²	750 - 850
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 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 7307.

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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