



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

EPOTEC TH 7310**Description**

EPOTEC TH 7310 is a moderate viscosity low colour epoxy curing agent. When cured with standard epoxy resin, it provides surfaces with high gloss and resistant to various chemicals.

The combination of EPOTEC TH 7310 with EPOTEC YD 515 is especially suitable for use as coating for wood. The lower viscosity of the mix favours the application by brush or roller and gives good film built in one coat. The good reactivity of the system helps in avoiding the dust pick up during drying.

Applications

- Self leveling floors and top coats
- High solid / Low VOC coatings
- Clear / coloured lacquer for wood

Advantages

- Excellent colour and colour stability
- Good food chemical resistance
- Excellent resistance to amine blush
- Good abrasion resistance

Typical properties

Property	Test method	Unit	Specification
Appearance	Visual	-	Medium viscosity, clear liquid
Color	ASTM-D-1544 (89) TEC-AS-P-006	Gardner	Max. 1.0
Viscosity* @ 25 °C	JIS-K-7233 (86)	cPs	2,000 - 3,500
Amine value	TEC-AS-C-058	mgKOH/g	320 - 350

* Brookfield viscosity

Typical application properties

Property	Test method	Unit	Specification
Mixing ratio with EPOTEC YD 515 (EEW = 200 g/eq)	-	By Weight	100 : 55
Pot life (150 g mix) @ 25 °C	Techne GT-3 Gelation timer	Minutes	20 - 30
Thin film set time @ 25 °C	-	Hours	5 - 7

Guideline formulation

Raw material	Q'ty.
EPOTEC YD 515 ¹	100
EPOTEC TH 7310 ¹	55
BYK 057	0.5
BYK 333	0.1

¹ = Aditya Birla Chemicals, Thailand

Typical properties

Recommended PHR	= 55 (with YD 515)
Pot life @ 25 °C	= 22'
Touch dry	= 3.5 hrs
TFST	= 5.5 hrs
Gloss	= High gloss
Hardness (24 hr)	= 72

Packing

EPOTEC TH 7310 is packed and delivered in 200 lit drums.

Storage

EPOTEC TH 7310 is stable in normal storage conditions. The shelf life of EPOTEC TH 7310 is 12 months from the date of manufacture in original sealed container. It is advised to store the material in cool and dry place away from sources of heat, humidity, direct sunlight and ignition.

Handing

Please refer to MSDS for safe handing of EPOTEC TH 7310.

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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