


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC TH 7325**
**Description**

Epotec TH 7325 is a modified amine curing agent sans benzyl alcohol and nonyl phenol developed keeping in mind the environment and health aspects for use in epoxy based flooring and coating applications.

The absence of benzyl alcohol in the product and low viscosity of the product makes it possible to formulate low to zero V.O.C. formulations for use in coatings, flooring and adhesives.

In addition the product also does not contain nonyl phenol making it non-toxic in nature and more user friendly.

**Applications**

- Self leveling floorings
- Low to zero V.O.C. solvent free coatings
- Adhesives

**Specification**

Appearance	Visual	Clear, pale yellow liquid
Colour	ASTM D 1544-04	2.0 G max.
Pot life with epotec YD 128 (190 EEW)	TEC-AS-P-111	40 - 70 minutes
Viscosity* @25°C	ASTM D 2196-05	400 - 700 cP

\* Brookfield viscometer

**Typical properties \***

Odour	---	Amine
Density @25°C	ASTM D 1475-98	0.9943 g/cc
AHEW	ca.	~ 95 g/eq
Mixing ratio with epotec YD 128 (EEW = 186 g/eq)	pbw	100 : 50
Amine value	DIN 16945	335 mg KOH/g
Thin film set time @ 25°C	ASTM D 5895	4.5 hours
Flash point	ASTM D 93	> 150°C
Tensile strength	ASTM D 638-86	510 kg/cm <sup>2</sup>

Flexural strength	ASTM D 638-86	950 kg/cm <sup>2</sup>
Compressive strength	ASTM D 695-85	1090 kg/cm <sup>2</sup>

\* = Typical properties are indicated for information only

### General information Guide line formulation for self leveling flooring

#### Part A

#### Part B

YD 522	50	TH 7325	25
BYK A 530	1		
BYK 057	1		
TiO <sub>2</sub>	10		
Quartz Silica (M32)*	130		

\* Sibelco, Belgium

#### Properties

Pot life	55 min
Dry film thickness	3 mm
Gloss @60/20	100/91
Glass transition temp	56°C
Shore D Hardness	
1 Day	74
7 Days	82
Compressive strength	74 MPa

#### Packing

Epotec TH 7325 is packed and delivered in plastic drums, 200 kg per drum as a standard pack.  
Other pack sizes are available on request.

#### Storage

Epotec TH 7325 should be stored in original tightly closed container, in dry and cool conditions. When exposed to air the product epotec TH 7325 may absorb moisture which may result in viscosity increase and frothing. When stored in tightly closed container this product has a storage life of at least one year from the date of manufacturing.

#### Handling

Do not mix with epoxy resin until just prior to use since reacts chemically at room temperature. Avoid contact with skin, eyes etc. Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec TH 7325.

#### 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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