



Description

Epotec YD 128 is an unmodified medium viscosity liquid epoxy resin based on bisphenol-A and epichlorohydrin.

Epotec THW 4502 is modified amine based curing agent available about 55% solids in water. It offers capability to formulate V.O.C. free coatings for confined areas. The specially designed formula of Epotec THW 4502 give long pot life and longer working time ideal for coating on large areas

Epotec YD 128 / Epotec THW 4502 is designed especially for use in coating application. In this application gives excellent performance such as hardness, gloss, leveling and other parameters.

Applications

- General purpose coatings
- Maintenance coatings

Typical properties *

Epotec YD 128

Appearance	Visual	Clear .colourless to light yellow liquid
Colour	ASTM D 1544-04	0.2 G.
Epoxy Equivalent weight	ASTM D 1652-04	187 g/eq
Viscosity @25°C	ASTM D 2196-05	12,600 cP

Epotec THW 4502

Appearance	Visual	Viscous liquid
Colour	Visual	White/off white emulsion
Viscosity @25°C	TEC-AS-P-002	50,000 cP
Non-volatiles	By calculation	55 % NV
Amine value	DIN 16945	123 mgKOH/g

* = Typical properties are indicated for information only

Typical properties*

Epotec YD 128 / Epotec THW 4502

Resin : Hardener mixing ratio	pbw	100:140
Pot life (150g mix)	TEC-AS-P-111	180 min
Thin film set time @25 °C		6 hr

* = Typical properties are indicated for information only

Guideline formulation

White top coat -Gloss

Sr. No.	Raw material	Q'ty. pbw
1.	EpotecTHW 4502 ¹	14
2.	BYK 035 ²	0.31
3.	BYK 380 N ²	0.16
4.	BYK Dynwet 800 ²	0.16
5.	TiO ₂ Rutile	8
6.	Water	5
7.	EPOTEC YD 128	10

¹ = Aditya Birla Chemicals, Thailand

² = BYK Chemie, Germany

Performance data

Property	Unit	Value
Mixing ratio (resin : curing agent)	pbw	100:140
Pigment : Binder ratio	pbw	0.57:1
Solids content	Wt%	60
DFT	μ	50 - 70
Hard dry	hr	12 - 18

Gloss 20/60°	GU	60 / 85
PersoZ Pendulum Hardness	No.	220
Impact (D/R)	Kg.cm	78

Packing

Epotec YD 128 and Epotec THW 4502 are packed and delivered in 200 lit drums, as a standard pack.
Other packs are available on request.

Storage

Epotec YD 128 and Epotec THW 4502 should be stored in original tightly closed container, in dry and warm conditions. Under these conditions, it has a storage life of at least one year from the date of manufacturing. In case of crystallization of epotec YD 128 the product can be restored to its original condition by warming to 55-60°C while stirring. **It is advised not to allow the product to freeze.**

Handling

Please refer to the MSDS of the individual products for more instructions on safe storage and handling of Epotec YD 128 and Epotec THW 4502.

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.

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