


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC YD 011X-75
Description

Epotec YD 011X-75 is a solution of unmodified low molecular weight solid diglycidyl ether of bisphenol-A resin in xylene. The dissolution of epotec YD 011 in xylene facilitates ease of handling.

Epotec YD 011X-75 is used in many coating applications such as metal coatings, concrete coatings etc. Variety of curing agents including amines, amides and phenalkamines can be employed to cure coatings based on epotec YD 011X-75.

Epotec YD 011X-75 based coatings shows better flexibility & drying characteristics compared to coatings based on liquid epoxy resin.

Applications

- Solvent based anti-corrosive coatings
- Marine paints
- Industrial paints
- Adhesives
- Laminates

Specification

Appearance	Visual	Clear, colourless to light yellow liquid free of suspended particles
Colour	ASTM D 1544-04	0.5 G Max.
Epoxy Equivalent Weight*	ASTM D 1652-04	450 - 500 g/eq
Viscosity** @25°C	ASTM D 2196-05	8,000 - 13,000 cP
Non-volatile	ASTM D 1259-06	74 - 76 %

* Based on solids

** Brookfield viscosity

Typical properties *

Epoxy Value	ASTM D 1652-04	2.00 - 2.22
Density @25°C	ASTM D 1475-98	1.07 g/cc
Water content	ASTM E 203-01	0.5 % max.
Flash point [#]	ASTM D 93	30°C

* = Typical properties are indicated for information only

= Based on xylene

General information

Component	parts by weight	
Epotec YD 011X-75	100	100
Epotec TH 7525	18	-
Epotec TH 7941S10	-	25
Pot life	5 hours	2 hours
Thin film set time at 25°C	6 hours	3 hours

Packing

Epotec YD 011X-75 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available on request.

Storage

Epotec YD 011X-75 resin should be stored in dry and cool conditions in original tightly closed container. Under these conditions, it has a storage life of at least one year from the date of manufacturing. Due to solvent content, the solutions are moderate skin irritants. Operators are advised to use personal protective equipment to avoid skin contact with the materials, Use of general mechanical ventilation and local exhaust is recommended. Epotec YD 011X-75 should be kept away from sources of ignition.

Handling

Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec YD 011X-75.

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

Mahatun Plaza Bldg., 16th Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand.

Tel: (662) 2535031-3, Fax: (662) 2535030

Web Site: www.adityabirlachemicals.com, E-Mail: epoxymktg@adityabirla.com