


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC YD 515
Description

Epotec YD 515 is a bisphenol-A liquid epoxy resin modified with reactive diluent. This resin offers lower viscosity & lower surface tension. Both these properties are advantageous while formulating. The low viscosity improves the cost effectiveness by increasing filler loading & the low surface tension improves adhesion by better substrate wetting, it also helps in better pigment wetting and thereby improve the pigment dispersion and stability.

A wide variety of curing agents are available to cure this liquid epoxy resin at ambient conditions and also at elevated temperature. Sometimes systems based on this grade are post cured to improve certain characteristics such as glass transition temperature and chemical resistance.

Applications

- Self leveling floorings
- Trowelable mortars and grouts
- High solids and solvent free coatings
- Other construction applications
- Adhesives

Specification

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.5 G Max.
Epoxy Equivalent Weight	ASTM D 1652-04	195 - 210 g/eq
Viscosity @25°C	ASTM D 2196-05	600 - 900 cP

Typical properties *

Epoxide Value	ASTM D 1652-04	4.76 – 5.13
Density @25°C	ASTM D 4052	1.10 g/ml
Moisture content	ASTM E 203	0.1 % max.
Non-volatile content	TEC-AS-P-012	100 %
Flash point	ASTM D 93	142°C

* = Typical properties are indicated for information only

Packing

Epotec YD 515 is packed and delivered in steel drums, 220 kg per drum as a standard pack.
Other packs are available upon request.

Storage

Epotec YD 515 resin should be stored in original tightly closed container, in dry and warm conditions to avoid crystallization. Under these conditions, it has a storage life of at least two years from the date of manufacturing. Epotec YD 515 may become hazy or crystallize upon long storage especially when exposed to low temperatures. The resin can be restored to its original condition by warming to 55-60°C while stirring. For handling or pumping the maximum temperature recommended is 80°C.

Handling

For more instructions on storage and handling of epotec YD 515 please refer to the MSDS of the product.

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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