


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC BYD 7201 / TH 7201
Description

Epotec BYD 7201 is a specially modified epoxy resin with high functionality.

Epotec hardener TH 7201 is a modified amine curing agent that enhances the high chemical resistance of Epotec BYD 7201.

The system Epotec BYD 7201 / Epotec TH 7201 is designed to cure at room temperature. The system exhibits outstanding resistance to strong acids, many bases, chlorinated hydrocarbons and methanol gasoline mixtures.

Applications

- Chemical resistance flooring and mortars
- Chemical resistance coatings & linings

Typical properties *
Epotec BYD 7201

Appearance	Visual	Clear, viscous liquid
Colour	ASTM D 1544-04	0.6 G
Epoxy Equivalent weight	ASTM D 1652-04	174 g/eq
Viscosity @25°C	ASTM D 2196-05	28,000 cP

Epotec TH 7201

Appearance	Visual	Clear, light yellow liquid
Colour	ASTM D 1544-04	0.5 G
Viscosity @25°C	ASTM D 2196-05	50 cP

Typical properties*
Epotec BYD 7201/ Epotec TH 7201

Resin : Hardener mixing ratio	pbw	100 : 33
Pot life(100g mix)	TEC-AS-P-111	20 min
Mix viscosity at 25 °C		10,000 cP
Thin film set time @25 °C		3 hr

* = Typical properties are indicated for information only

Guideline formulation Chemical resistant self leveling flooring

Part A

Epotec BYD7201	100
Air release/De-forming agent	4
Dispersing/Wetting agent	4
TiO ₂	5
Red iron oxide	5
Quartz sand	150

Part B

Epotec TH 7201	33
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Properties

Pot life	20 min
Dry film thickness	3 mm
P:B ratio	1:1
Shore D hardness Day 1	70
Day 7	82
Compressive strength	48 MPa

Chemical resistance

The following media were evaluated at ambient temperature. Specimens cured for 7 days at R.T.(approx. 25 °C) were immersed in the specified media, and weights were checked at pre-determined intervals. Also the overall appearance and integrity of the specimens were considered white rating there performance..

Chemical	3 Days.	8 Days	3 Months days	6 Months
Conc. H ₂ SO ₄	E*	E*	E*	E*
Conc.HCL	E*	E*	E*	E*
Conc.HF	F (film swelling)	F (blisters)	F (some small cracks)	F (some small cracks)
50 %HNO ₃	P	---	---	---
10% HNO ₃	G	G	G	G
30% CH ₃ COOH	F	P	---	---
10% CH ₃ COOH	G	G (surface itching)	G (surface itching)	G (surface itching)
10% Citric acid	L	N	-	-
10% Lactic acid	R	R	R	R
50% NaOH	R	R	R	R
Toluene	E	E	E	E
Xylene	E	E	E	E
Methanol	E	E	E	E
Butanol	E	E	E	E
MEK	G (slight temporary softening)	G (slight temporary softening)	G (slight temporary softening)	G (slight temporary softening)
CCL ₄	E	E	E	E

Note: E-Excellent, G-Good, F-Fair, P-Poor

* colour changes to brown

Packing Epotec BYD 7201 and Epotec TH 7201 are packed and delivered in 200 lit drums, as a standard pack.
Other packs are available on request.

Storage Epotec BYD 7201 and Epotec TH 7201 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.

Handling Please refer to the MSDS of the individual products for more instructions on safe storage and handling of Epotec BYD 7201 and Epotec TH 7201.

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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