

EDA ADDUCT 870-XB-50

Curing Agent

DESCRIPTION

EDA Adduct-XB-50 is the 50wt % solution in xylene/butanol (1:1) of the isolated adduct of a solid epoxy resin with ethylene diamine. It is intended for use in ambient temperature cured solvent-based epoxy coatings.

Amine adducts used in place of the parent amines give advantages in ease of application and low odour. They have a low free-amine content which reduces irritation potential and gives improved cure under adverse conditions without induction. In addition, coatings are non-yellowing and bloom free with excellent intercoat adhesion, flexibility and chemical resistance properties. Applications include marine and industrial protective coatings, primers and finishes including coal-tar extended and solvent resistant concrete sealer coats.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Pale yellow solution		
Colour	5	Gardner	ASTM D 1544-80
Viscosity @ 25°C	1,500-4,000	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	76-104	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.99	g/ml	
Flash Point, Closed Cup	23	°C	
Equivalent	370	Wt/{H}	
Recommended use Level	80-100	PHR	With Bisphenol A diglycidyl ether (EEW=500)

ADVANTAGES

- Good chemical resistance
- Good colour stability
- Excellent corrosion resistance
- Good hot water resistance

APPLICATIONS

- Marine and industrial coatings, primers and finishes
- Tank linings
- Solvent resistance concrete sealers

TYPICAL CURE SCHEDULE

2 - 7 days at room temperature.

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for EDA Adduct 870-XB-50 curing agent.

Disclaimer

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