

ANCAMINE® 2646M**Curing Agent****DESCRIPTION**

Ancamine 2646M curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Based upon Evonik Cycloaliphatic Amines, it offers a broad balance of chemical resistance and surface appearance properties. Ancamine 2646M provides high mechanical build, fast cure. The low odour and long pot life make it an ideal curing agent for use in warm climates.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow liquid		
Colour	max 12	Gardner	ASTM D 1544
Viscosity @ 25°C	100-400	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	305-355	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.03		
Equivalent	95	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol-A diglycidyl ether (EEW=190)

ADVANTAGES

- Long pot life
- Fast property development
- Good chemical resistance

APPLICATIONS

- Non-colour sensitive applications
- Industrial flooring, screeds, primers, grouts
- Chemically resistant tank linings
- High solids coatings
- Secondary containment

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 Ancamine 2646M curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time (150g mix at 25°C)	50	mins	Techne GT-3 Gelation Timer
Gel Time (150g mix at 35°C)	25	mins	Techne GT-3 Gelation Timer
Thin Film Set Time 23°C	5.5	h	BK Drying Recorder, Phase 3
Thin Film Set Time 10°C	15	h	BK Drying Recorder, Phase 3
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit	Method
Shore D 23°C (6/24 h)	47/87		DIN 53505
Shore D 10°C (48 h)	84		DIN 53505
PersoZ Hardness (1/7 days at 23°C)	250/330		ISO 1522
Typical cure schedule	2-7	days	

*With Bisphenol-A diglycidyl ether (EEW=190)

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