

ANCAMINE[®] 2489**Curing Agent****DESCRIPTION**

Ancamine 2489 is a modified cycloaliphatic polyamine adduct intended for use as a room temperature curing agent for liquid epoxy resin. Ancamine 2489 has a very low viscosity which imparts low mixed viscosity in epoxy systems and reduced need for diluents. Ancamine 2489 offers fast property development. The low loading allows a 1:2 mix ratios with bisphenol F resins.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	<2	Gardner	ASTM D 1544-80
Viscosity @ 25°C	50-125	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	345-375	mg KOH/g	Perchloric Acid Titration
Recommended use Level	44	PHR	With Bisphenol A diglycidyl ether (EEW=190)
Equivalent	83	Wt{H}	

ADVANTAGES

- Very low viscosity and mixed viscosity in epoxy systems
- Fast cure and development of properties at ambient and low temperature
- Good chemical resistance

APPLICATIONS

- Chemically resistant high solids and solvent free coatings
- Industrial flooring applications such as self-leveling floors and mortar floors
- Accelerator for other curing agents

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 2489 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity at 25°C	1,200	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C),	24	mins	Techne GT-3 Gelation Timer
Thin Film Set Time @ 25°C	3.5	h	BK Drying Recorder Phase III
Shore D 20°C 8/24 hours	75/82		DIN 53505
Shore D 10°C 8/24 hours	74/76		DIN 53505
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Compressive Strength	84	MPa	ISO 604
Compressive Modulus	2.0	GPa	ISO 604
Tensile Strength	59	MPa	ISO 527
Tensile Modulus	6.8	GPa	ISO 527
Flexural Strength	101	MPa	ISO 178
Flexural Modulus	3.2	GPa	ISO 178
Heat Distortion Temperature	47	°C	ASTM D648
Carbamation Test	3		Scale 1-5 (5 is best)

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