

ANCAMINE[®] 2519

Curing Agent

DESCRIPTION

Ancamine 2519 is a modified cycloaliphatic polyamine intended for use as an ambient curing agent for liquid epoxy resin. The product is a low viscosity curing agent which exhibits moderate to good carbamation resistance at 10°C. Ancamine 2519 can be used to formulate high solids coatings, self leveling and screed flooring where good chemical resistance is required.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	<2	Gardner	Gardner scale
Viscosity @ 25°C	185	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	315	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 77°F (25°C)	1.01	g/ml	
Flash Point	>100	°C	closed cup
AHEW Wt{H}	95		
Recommended Use Level	50	PHR	EEW=190

ADVANTAGES

- Good resistance to carbamation and water-spotting
- Fast cure and development of properties at ambient and low temperature
- Good chemical resistance
- Low viscosity

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 2519 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	1900	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C)	23	min	Techne GT-4 Gelation Timer
Thin Film Set Time @ 25°C	3.5	h	BK Drying Recorder
Thin Film Set Time @ 10°C	16.0	h	ISO 527
Peak Exotherm 150 g mass @ 25°C	181	°C	
Shore D 20°C		4/ 8/ 24 h	
Shore D 10°C		16/ 24 h	
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Compressive Strength	77	Mpa	ISO 604
Compressive Modulus	2.0	Gpa	ISO 604
Tensile Strength	53	Mpa	ISO 527
Tensile Modulus	6.7	Gpa	ISO 527
Flexural Strength	90	Mpa	ISO 178
Flexural Modulus	2.9	Gpa	ISO 178
HDT	45	°C	

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