

ANCAMINE[®] 2512**Curing Agent****DESCRIPTION**

Ancamine 2512 is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. It offers rapid development of physical properties at ambient and low temperature down to 10°C, for a fast return to service. Using advanced adduct technology Ancamine 2512 provides excellent carbamation and early water spot resistance that combined with its low viscosity make Ancamine 2512 the ideal all-round performance cycloaliphatic curing agent for solvent free or high solids coatings in a variety of civil engineering applications.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	<3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	200-300	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	305-325	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.04		
Equivalent	93	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Excellent resistance to carbamation and waterspotting
- Rapid cure and development of properties at ambient and low temperature
- Very 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 date of manufacture in original sealed container stored undercover at ambient temperature away from excessive heat and humidity. Discolouration can be expected with time and on exposure to light. Product may appear pink when stored in IBC's.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2512 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity at 25°C	2100	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C),	20	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)	70/82		DIN 53505
Shore D 10°C (16/24 Hours)	68/76		DIN 53505
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Compressive Strength	85	MPa	ISO 604
Compressive Modulus	2.0	GPa	ISO 604
Tensile Strength	50	MPa	ISO 527
Tensile Modulus	6.8	GPa	ISO 527
Flexural Strength	87	MPa	ISO 178
Flexural Modulus	3.0	GPa	ISO 178
Heat Distortion Temperature	47	°C	ASTM D648
Carbamation Test	4		Scale 1-5 (5 is best)

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EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

**EVONIK SPECIALTY CHEMICALS
(SHANGHAI) CO., LTD.**

Business Line Crosslinkers
55, Chundong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

