

**ANCAMIDE<sup>®</sup> 500****Curing Agent****DESCRIPTION**

Ancamide 500 curing agent is an amidoamine intended for use with liquid epoxy resins with ambient temperature or heat cure. It can be used as the sole curing agent or in a mixture with other amine-based curing agents, such as modified aliphatic amines, to adjust the cure rate or other properties. Ancamide 500 curing agent can be used in compliance with 21 CFR 175.300 and 21 CFR 176.170 as a component of FDA-compliant epoxy coatings, can cements and adhesives.

**TYPICAL PROPERTIES**

Property	Value	Unit
Appearance	Amber Liquid	
Color	7	Gardner
Viscosity @ 77°F	250	cP
Amine Value	445	mg KOH/g
Specific Gravity @ 77°F	0.95	
Density @ 77°F	7.9	lb/gal
Flash Point (closed cup)	383	°F
Equivalent Wt{H}	90	
Recommended Use Level (EEW=190)	50	phr

**ADVANTAGES**

- Low viscosity
- Moderate pot life
- Less critical mixing ratio

**APPLICATIONS**

- Flooring and concrete primers
- Concrete repair mortars and grouts
- High-solids coatings

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 500 curing agent

## SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

## TYPICAL CURE SCHEDULE

- 2 to 7 days at ambient temperature.
- 2 h at 140°F plus 1 h at 212°F.

## TYPICAL HANDLING PROPERTIES\*

Property	Value	Unit
Mixed Viscosity @ 77°F	1,400	cP
Gel Time (150g mix @ 77 °F)	135	min
Thin Film Set Time @ 77 °F	12	h
Peak Exotherm (100g mix @ 77°F)	237	°F
Peak Exotherm Time	210	min

## TYPICAL PERFORMANCE\*

Property	Value	Unit
(Cured 7 days @ 77°F)		
Heat Deflection Temperature (ASTM D648-264 psi)	113	°F
Barcol Hardness (Model GYZJ-935)	74	
Bond Strength (mild steel to mild steel)	2,680	psi
Flexural Strength	11,410	psi
Flexural Modulus	273	thousand psi
Tensile Strength	6,850	psi
Tensile Modulus	341	thousand psi
Elongation	2.0	%

\* Ancamine 500 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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