

Product information

ANCAMIDE[®] 507

Curing Agent

DESCRIPTION

Ancamide 507 curing agent is a polyfunctional, fatty amidoamine for use in curing liquid epoxy resins. Special features of this room temperature curing agent include relatively rapid cure rate, and the ability to cure in the presence of moisture. It can be used as the sole curing agent or in an admixture with polyamides and other amidoamines. Appropriate applications include marine coatings, highsolids and solvent-free coatings, flooring, adhesives and laminates. It is approved for use in U.S. Navy Specification MILP- 24441/Ships Coatings.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Amber Liquid	
Color	6	Gardner
Viscosity @ 77°F	1,200	cPs
Amine Value	600	mg KOH/g
Specific Gravity @ 77°F	0.990	
Density @ 77°F	8.2	lb/gal
Flash Point (closed cup)	286	°F
Equivalent Wt/{H}	65	
Recommended Use Level	35	phr, EEW=190

ADVANTAGES

- Fast cure
- Good water resistance

APPLICATIONS

- High-solids coatings
- Adhesives and patch materials
- Concrete repair compounds

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 507 curing agent

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed containers at ambient temperature. Store away from excessive heat and humidity in tightly closed containers. Exposure to moisture and carbon dioxide can lead to changes in viscosity and reactivity. Product has a tendency to crystallize or become hazy during storage. If this occurs, product should be warmed to 100-140°F (38-60°C) for one hour and stirred until clear.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit
Gel Time (150g mix @ 77°F)	44	min
Thin Film Set Time @ 77°F	4.5	

TYPICAL PERFORMANCE* (7 DAY CURE AT 77°F)

Property	Value	Unit
Heat Deflection Temperature(ASTM D648-264 psi)	127	°F
Flexural Strength	9,400	psi
Typical Cure Schedule	2-7	days
Gel at ambient temperature plus post-cure of 2 hrs at 140 °F		

* Ancamide 507 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin

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