

ANCAMIDE® 400 Curing Agent**DESCRIPTION**

Ancamide 400 curing agent is a unique, low viscosity reactive polyamide developed specifically for use in the curing of liquid epoxy resins.

ADVANTAGES

- Low viscosity
- Good stability to light
- Excellent compatibility with epoxy resins, including Bisphenol-F types, without induction

APPLICATIONS

- Flooring and surface coatings
- Adhesives
- Sealants and putties
- Castings
- Laminates
- Cable jointing compounds

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 400 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

7 days at ambient temperature. 2 hours at 140°F plus 1 hour at 212°F.

TABLE 1: TYPICAL PROPERTIES

Appearance	Amber Liquid
Color (Gardner)	7
Viscosity @ 77°F (cP)	1,600
Amine Value, mg KOH/g	405
Specific Gravity @ 77°F)	.970
Weight per Gallon	8.1
Flash Point (closed cup) (°F)	320
Equivalent Wt/{H}	95
Recommended Use Level (phr, EEW=190)	50

TABLE 2: TYPICAL HANDLING PROPERTIES*

Gel Time (150g mix @ 77°F) (min)	65
Thin Film Set Time @ 77°F (h)	9.5
Peak Exotherm (100g mix @ 77°F) (°F)	221
Peak Exotherm Time (min)	117

TABLE 3: TYPICAL PERFORMANCE*

Cure Schedule 1	
Heat Deflection Temperature (ASTM D648-264 psi) (°F)	122
Barcol Hardness (Model GYZJ-935)	69
Bond Strength (mild steel to mild steel) (psi)	1,750
Flexural Strength (psi)	7,750
Flexural Modulus (thousand psi)	250
Tensile Strength (psi)	4,500
Tensile Modulus (thousand psi)	362.5
Elongation (%)	1.44

* Ancamide 400 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

Epoxy Curing Agents and Modifiers

ANCAMIDE[®] 400 Curing Agent

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