

ANCAMINE® 1884 Curing Agent**DESCRIPTION**

Ancamine 1884 curing agent is a formulated cycloaliphatic amine hardener for liquid epoxy resins. It offers good color and cured films are smooth, glossy, tack-free, and light in color with good color stability.

ADVANTAGES

- Good film appearance
- Long pot life
- Ability to cure underwater
- DOT noncorrosive

APPLICATIONS

- Solvent-free and high-solids coatings
- Grouts
- Bonding new concrete to old concrete
- Patch mortars

SHELF LIFE

At least 12 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.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1884 curing agent.

TYPICAL CURE SCHEDULE

- 2-7 days at ambient temperature.
- Gel at ambient temperature plus 2 hours at 212°F (100°C).

TABLE 1: TYPICAL PROPERTIES

Appearance	Straw-Colored Liquid
Color (Gardner)	2
Viscosity @ 77°F (25°C) (cP)	320
Amine Value (mg KOH/g)	360
Specific Gravity @ 77°F (25°C)	1.04
Density @ 77°F (25°C) (lb/gal)	8.7
Flash Point (°F)	216
Equivalent Wt/{H}	86
Recommended Use Level (phr, EEW=190)	45

TABLE 2: TYPICAL HANDLING PROPERTIES*

Gel Time [150g mix @ 77°F (25°C)] (min)	80
Thin Film Set Time @ 77°F (25°C) (h)	9
Peak Exotherm [100g mix @ 77°F (25°C)] (°F)	239
Peak Exotherm Time (min)	72

TABLE 3: TYPICAL PERFORMANCE PROPERTIES*

[7 day cure @ 77°F (25°C)]	
Heat Deflection Temperature (ASTM D648-264 psi) (°F)	108
Flexural Strength (psi)	13,000
Flexural Modulus (thousand psi)	331
Tensile Strength (psi)	7,700
Tensile Modulus (thousand psi)	366
Elongation (%)	2.5
Barcol Hardness (Model GYZJ-935)	77
Bond Strength (mild steel to mild steel) (psi)	2,000

* Ancamine 1884 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

Epoxy Curing Agents and Modifiers

ANCAMINE® 1884 Curing Agent

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