

**ANCAMINE® AD Curing Agent****DESCRIPTION**

Ancamine AD curing agent gives very rapid cure at ambient and low temperatures. A phenol-free version is also available as Ancamine 2205 curing agent.

**ADVANTAGES**

- Very fast cure
- Excellent bond to concrete, even under cold, damp conditions
- Good chemical resistance to certain solvents, including trichloroethane and xylene
- DOT noncorrosive

**APPLICATIONS**

- Concrete repair materials
- Bonding new concrete to old concrete
- Fast-setting adhesives
- Accelerator for other amine-based curing agents
- Coal tar epoxy coatings

**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.

**STORAGE AND HANDLING**

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

**TYPICAL CURE SCHEDULE**

- 2-7 days at ambient temperature.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Color (Gardner)</b>	6
<b>Viscosity @ 77°F (cP)</b>	1,500
<b>Specific Gravity @ 77°F</b>	1.08
<b>Amine Value, mg KOH/g</b>	485
<b>Density @ 77°F (lb/gal)</b>	9.0
<b>Flash Point (closed cup) (°F)</b>	198
<b>Equivalent Wt/{H}</b>	107
<b>Recommended Use Level (phr, EEW=190)</b>	60

**TYPICAL HANDLING PROPERTIES\***

<b>Gel Time (150g mix @ 77°F) (min)</b>	6
<b>Thin Film Set Time (h):</b>	
<b>@ 77°F</b>	1.0
<b>@ 40°F</b>	3.0

**TYPICAL PERFORMANCE\***

<b>(Cured 7 days @ 77°F)</b>	
<b>Heat Deflection Temperature (ASTM D648-264 psi) (°F)</b>	118
<b>Glass Transition Temperature (°F)</b>	127
<b>(Cured 3 days @ 68°F)</b>	
<b>Bond Strength (mild steel to mild steel) (psi)</b>	1,900
<b>60° Film Gloss</b>	91

**SUPPLEMENTARY DATA**

Sample adhesive formulation based on liquid resin with 200 phr silica	
<b>Thin Film Set Time:</b>	
<b>@ 77°F (min)</b>	110
<b>@ 41°F (h)</b>	4-5
<b>Peak Exotherm (100g mix @ 77°F) (°F)</b>	262
<b>Peak Exotherm Time (min)</b>	10
Sample high-solids coal tar pitch/epoxy coating formulation based on semi-solid resin with 200 phr tar plus 300 phr fillers	
<b>Dry Time @ 77°F (h):</b>	
<b>Dust</b>	2.5
<b>Touch</b>	4
<b>Hard</b>	24
Sample unfilled coal tar pitch coating formulation based on liquid resin with 50% tar	
<b>Hard Dry Time (h)</b>	
<b>@ 77°F</b>	5
<b>@ 41°F</b>	24

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

Epoxy Curing Agents and Modifiers

# ANCAMINE® AD Curing Agent

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