
Epoxy Curing Agents and Modifiers

Ancamine® AEP Curing Agent

DESCRIPTION

Ancamine AEP curing agent is a 96% minimum purity grade of N-aminoethyl-piperazine, designed for use as a curing agent for liquid epoxy resins. It is characterized by its rapid gel at room temperature to give a B-stage cure. It requires an elevated temperature post-cure to obtain optimum properties, notably high impact strength and good thermal shock resistance. It can also be formulated with flexibilizers and accelerators to give systems that will cure at room temperature.

APPLICATIONS

- Concrete adhesives and mortars
- Trowelable flooring
- Decoupage systems
- Small electrical pottings and encapsulation
- Accelerating co-curing agent for other amines

STORAGE LIFE

At least 18 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.

HANDLING PRECAUTIONS

Refer to the Material Safety Data Sheet on Ancamine AEP curing agent.

TYPICAL CURE SCHEDULE

Gel at room temperature plus 2 hours at 212 °F.

TYPICAL PROPERTIES

Appearance	Clear Liquid
Color (Gardner)	1
Viscosity @ 77 °F (cP)	10
Amine Value (mg KOH/g)	1,297
Density (lb/gal) @ 77 °F	8.2
Flash Point (closed cup) (°F)	215
Equivalent Wt/{H}	43
Recommended Use Level (phr, EEW=190)	23

TYPICAL HANDLING PROPERTIES*

Gel Time (150g mix @ 77 °F) (min)	19
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TYPICAL PERFORMANCE*

Heat Deflection Temperature (ASTM D648-264 psi) (°F)	225
Flexural Strength (psi)	19,000
Tensile Strength (psi)	10,000

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