

Ancamine[®] K54 Curing Agent

DESCRIPTION

Ancamine K54 curing agent is a technical grade of tris-(dimethylaminomethyl) phenol—a versatile Lewis Base catalyst for curing epoxy resins. It is used both as a curing agent (adhesives applications) and as an activator for other curing agents including amidoamines, amine adducts and polyamides (coatings, castings, flooring, concrete and adhesives applications). It is also the preferred catalyst for blends of liquid epoxy resin and liquid polysulfides for body solder, sealant and concrete adhesives applications. Also, it is a highly efficient catalyst for epoxy resins cured with polycarboxylic acids and anhydrides (casting and laminate applications), as well as for the isocyanate/polyol and isocyanate trimerization reactions (isocyanurate foam applications).

STORAGE AND HANDLING

Refer to the Safety Data Sheet on Ancamine K54 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

1 hour at 176°F¹

¹This is a multi-purpose curative that finds use in a variety of systems. Specific instructions for cure schedules should be obtained from Evonik.

TABLE 1: TYPICAL PROPERTIES

Appearance	Amber liquid
Color (Gardner)	6
Viscosity @ 77°F (cP)	200
Specific Gravity @ 77°F	0.980
Density (lb/gal) @ 77°F	8.1
Flash Point (closed cup) (°F)	284
Free Water (Dean & Stark) (%)	0.5
Typical Purity (%)	97
Recommended Use Level (phr)	1-15
as an accelerator	0.5-5
for liquid polysulfide/epoxy cure catalysis	5-15

TABLE 2: TYPICAL HANDLING PROPERTIES

Cure Schedule 1; Catalyst — 10 phr	
Pot Life (25g @ 77°F) (min)	40
Heat Deflection Temperature (ASTM D648-264 psi) (°F)	194

Epoxy Curing Agents and Modifiers

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