

Product information

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).

TYPICAL PROPERTIES

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

STORAGE AND HANDLING

Refer to the Safety Data Sheet on Ancamine TEPA 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

TYPICAL HANDLING PROPERTIES

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

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

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EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chundong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

