

Product information

ANCAMINE[®] 2089K

Curing Agent

DESCRIPTION

Ancamine 2089K curing agent is a modified aliphatic amine for use as an ambient temperature curing agent for liquid epoxy resins. It imparts rapid development of properties at ambient and low temperatures with very good film appearance.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Pale, Yellow Liquid		
Color	<1	Gardner	ASTM D 1544-80
Viscosity @ 25°C	170	cP	Brookfield RVTD, Spindle 4
Specific Gravity @ 25°C	-		
Amine Value	389	mg KOH/g	Perchloric Acid Titration
Flash Point (opened cup)	-	°C	
Equivalent	75	Wt/{H}	
Recommended Use Level	40	phr, EEW=190	

ADVANTAGES

- Rapid ambient and low temperature cure
- High-gloss blush-free films
- High reactivity
- Low viscosity

APPLICATIONS

- Solvent-free and high-solids coatings
- Crack injection
- Adhesives and concrete patching compounds
- Accelerator for amine-cured coatings and floorings

For additional information on chemical resistance, physical properties and use of Ancamine 2089K as an accelerating curing agent, refer to "Epoxy Curing Agents for Flooring Applications."

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 2089K curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	2,500-3,000	cP	
Gel Time (150g mix @ 25°C)	11	Minutes	Techne GT-3 Gelation Timer
Thin Film Set Time:			BK Drying Recorder Phase III
@ 25°C	2.0	Hours	
@ 5°C	9.0	Hours	

TYPICAL PERFORMANCE*

Property	Value	Unit	Method
[7 day cure @ 25°C]			
Compressive Strength	94	MPa	ASTM D 695
Compressive Modulus	2.7	thousand MPa	ASTM D 695
Tensile Strength	67	MPa	ASTM D 638
Tensile Modulus	1.3	thousand MPa	ASTM D 638
Tensile Elongation @ Break	5.5	%	ASTM D 638
Flexural Strength	94	MPa	ASTM D 790
Flexural Modulus	3.4	thousand MPa	ASTM D 790
Shore D Hardness	80		DIN 53505

*With Bisphenol A diglycidyl ether (EEW = 190)

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