

Product information

ANCAMINE[®] 1768

Curing Agent

DESCRIPTION

Ancamine 1768 curing agent is a rapid ambient or low temperature curing agent for epoxy resins. It is a modified aliphatic amine that is particularly useful as an accelerator of other amines and polyamides. It can also be used to cure flexible systems based on Ancarez[®] 2364 modifier.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Light Yellow Liquid	
Colour	2	Gardner
Viscosity @ 77°F	220	cP
Amine Value	630	mg KOH/g
Specific Gravity @ 77°F	0.971	
Refractive Index @ 77°F	1.512	
Equivalent	95	Wt/{H}
Recommended use Level EEW=190	50	phr

ADVANTAGES

- Fast cure at ambient and low temperatures
- Low viscosity

APPLICATIONS

- Trowelable flooring
- Fast-setting adhesives
- Repair mortars
- Accelerator for other amine-based curing agents
- Crack injection

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 1768 curing agent.

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit
Mixed Viscosity	2,820	cP
Gel Time (150g mix @ 77°F)	10	min
Thin Film Set Time:		
@ 77°F	1.5	h
@ 40°F	5.0	h

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit
(Cured 7 days @ 77°F)		
Glass Transition Temperature	130	°F
Compressive Strength @ Yield	13,300	psi
Compressive Modulus	349	thousand psi
Tensile Strength	11,500	psi
Tensile Modulus	485	thousand psi
Tensile Elongation @ Break	4.1	%
Flexural Strength	15,900	psi
Flexural Modulus	594	thousand psi

*Ancamine 1768 curing agent formulated with standard Bisphenol-A based (DGEBA, EEW=190) epoxy resin.

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