

# ANCAMINE® 1934

## Curing Agent

### DESCRIPTION

Ancamine 1934 is a modified cycloaliphatic polyamine adduct intended for use with liquid epoxy resin. The excellent color, good colour stability, long pot-life and excellent moisture tolerance make it particularly suitable for use in high ambient temperature solvent-free and high solids coatings, self leveling flooring and tile grouting applications. Ancamine 1934 may be accelerated with Ancamine 1768 and 2432.

Excellent chemical resistance against water, detergent solutions, alkalis and certain chlorinated hydrocarbons; moderate against inorganic acids, organic acids, hydrocarbons and methylated spirits; poor against ketones, glycol ethers and toluene.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Colorless Liquid		
Color	3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	140-360	mPa.s	Brookfield RVTD, spindle 4
Amine Value	265-295	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 74°F (21°C)	1.02		
Equivalent Wt/{H}	100		
Recommended use Level	50	PHR	With Bisphenol-A diglycidyl ether (EEW=190)

### BENEFITS

- Longer pot-life
- Low viscosity
- Typical cycloaliphatic cure properties

### APPLICATIONS

- Self-leveling floors
- Solvent-free-coatings
- Tile grouts

## SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 1934 curing agent.

## TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mix Viscosity @ 25°C	20	mPa.s	
Gel Time (150g mix @ 25°C)	80	min	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix @ 25°C)	40	°C	
Thin Film Set Time 25°C	14	h	BK Drying Recorder Phase II
Typical Cure Schedule	2-7	days	

## TYPICAL PERFORMANCE

Property	Value	Unit	Method
Tensile Strength	52	MPa	ISO 527
Tensile Modulus	2.0	GPa	ISO 527
Tensile Elongation at Break	3.7	%	
Flexural Strength	94	MPa	ISO 178
Flexural Modulus	1.9	GPa	ISO 527
Heat Distortion Temperature	40	°C	ASTM D648

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