

# ANCAMINE<sup>®</sup> 1784

## Curing Agent

### DESCRIPTION

Ancamine 1784 is a low viscosity modified aliphatic amine curing agent for epoxy resin. It is moisture insensitive and relatively resistant to blushing and exudation and is an excellent low colour variant to amidoamines as pot life enhancer for aliphatic and cycloaliphatic amines. Applications include high solids and solvent free coatings, flooring, laminates, adhesives and casting.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Colourless liquid		
Colour	3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	30-100	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	290-320	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.95	g/ml	
Equivalent	76	Wt/{H}	
Recommended use Level	40	PHR	With Bisphenol A diglycidyl ether (EEW=190)

### ADVANTAGES

- Moisture resistance
- Relatively resistant to blushing and exudation
- Low colour

### APPLICATIONS

- High solids and solvent free coatings
- Flooring
- Laminates, adhesives and castings

### 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 1784 curing agent.

## TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time (150g mix @ 25°C )	90	min	Techne GT-3 Gelation Timer
Thin Film Set Time 25°C	12	h	BK Drying Recorder Phase III
Typical cure schedule	2- 7	days	

## TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Flexural Strength	71	MPa	ISO 178
Heat Distortion Temperature	50	°C	ASTM D648

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