

**ANCAMINE<sup>®</sup> 2199****Curing Agent****DESCRIPTION**

Ancamine 2199 curing agent is a modified cycloaliphatic polyamine adduct intended as an ambient temperature curing agent for liquid epoxy resin. Special features of this curing agent include its very low viscosity, excellent colour and colour stability, high reactivity and excellent surface appearance even when cured at low temperatures under conditions of high humidity.

Note chemical chelating with certain pigments can cause colour drift/change.

**TYPICAL PROPERTIES**

Property	Value	Unit	Method
Appearance	Almost colourless liquid		
Colour	≤ 2	Gardner	ASTM D 1544-80
Viscosity @ 25°C	40-110	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	325-345	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.01	g/ml	
Equivalent	95	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol A diglycidyl ether (EEW=190)

**ADVANTAGES**

- Low colour and good aesthetics
- Fat cure
- Low viscosity
- Good all round chemical resistance against alkalis, acids and hydrocarbon solvents; moderate against aggressive solvents

**APPLICATIONS**

- Self leveling floors
- Screed flooring
- Concrete primer and sealer coatings

## 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 2199 curing agent.

## TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time (150g mix at 25°C)	28	mins	Techne GT-3 Gelation Timer
Mix Viscosity @ 25°C	1200	mPas	Brookfield RVTD, Spindle 4
Thin Film Set time @25°C (H)	6.5		BK Drying Recorder Phase I
Peak Exotherm (100g mix at 25°C)	126	°C	
Time to peak exotherm	55	mins	
Typical cure schedule	2- 7	days	

## TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Heat Distortion Temperature	55	°C	
Flexural Strength	59.4	N/mm <sup>2</sup>	ISO 527
Flexural Modulus	3.3	KN/mm <sup>2</sup>	ISO 527
Tensile Strength	53.7	N/mm <sup>2</sup>	ISO 178
Tensile Modulus	4.2	KN/mm <sup>2</sup>	ISO 178
Hardness	74	Shore D	ASTM D2240-86

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