

ANCAMINE[®] 1693**Curing Agent****DESCRIPTION**

Ancamine 1693 is a modified cycloaliphatic polyamine adduct designed for use as an ambient temperature curing agent for epoxy resin. Special features of this curing agent include low viscosity, light colour, good colour stability and outstanding chemical resistance, particularly to sour crude oil. These properties make Ancamine 1693 ideal for use in high solids and solvent free storage coatings, self-leveling and mortar flooring applications.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Light amber liquid		
Colour	5	Gardner	ASTM D 1544-80
Viscosity @ 25°C	80-120	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	300-320	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.04	g/ml	
Equivalent	96	Wt/{H}	
Recommended use Level	45	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Very good chemical resistance (especially to acids, solvents and alcohols)
- Non-corrosive classification
- Good colour stability

APPLICATIONS

- General purpose maintenance paints and primers
- Solvent free and high solids coatings
- Tank linings
- Secondary containment
- Self-leveling floors

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 1693 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time (150g mix @ 25°C)	60	min	Techne GT-3 Gelation Timer
Thin Film Set Time @ 25°C	9	h	BK Drying Recorder Phase III
Typical cure schedule	2- 7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Flexural Strength	51	MPa	ISO 178
Heat Distortion Temperature	35	°C	ASTM D648

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