

Product information

ANCAMINE[®] 2747

Curing Agent

DESCRIPTION

Ancamine 2747 curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Ancamine 2747 curing agent offers a broad balance of mechanical and adhesion strength. Ancamine 2747 curing agent has low Gardner colour and develops rapid hardness at low temperature condition (eg 10°C).

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Light Yellow liquid		
Colour	max 4	Gardner	ASTM D 1544
Viscosity @ 25°C	100-400	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	300-350	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.02		
Equivalent	95	Wt/{H}	
Recommended use Level	50	PHR	Cured with bisphenol-A based epoxy resin (EEW=190)

ADVANTAGES

- Low colour and viscosity
- Good low temperature cure speed
- Excellent mechanical resistance

APPLICATIONS

- Industrial flooring, screeds, primers and grouts
- High solids 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.

PACKAGING AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2747 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time @ 25°C	30-40	mins	Techne GT-3 Gelation Timer, 150 g mix
Thin Film Set Time 25°C	5.5	h	ASTM D 5895 - BK Drying Recorder, Phase 3
Hardness Shore D7 7 day @ 25°C	86		ASTM D 2240
Hardness Shore D7 24h @ 10°C	75		ASTM D 2240
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit	Method
Compressive Strength	87	MPa	ASTM D 695
Compressive Modulus	1.8	GPa	ASTM D 695
Carbamation Resistance @ 25°C	3		ISO 2812 (wet patch method), Scale 1-5, 5=best

*Cured with bisphenol-A based epoxy resin (EEW=190)

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