

ANCAMINE[®] 2074

Curing Agent

DESCRIPTION

Ancamine 2074 is a modified cycloaliphatic polyamine adduct designed for use with liquid epoxy resin. The very low viscosity, excellent colour and colour stability and high reactivity make it suitable for use in solvent free coatings and screed and self levelling flooring applications. Ancamine 2074 is not recommended for use under conditions of high humidity.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Low viscosity colourless liquid	
Colour	2 max	Gardner
Viscosity @ 25°C	0.5-1.5	poise
Amine Value	325-355	mg KOH/g
Specific Gravity @ 25°C	0.99	
Flash point (closed cup)	104	°C
Equivalent	92	Wt/{H}

RECOMMENDED USAGE

50 parts per 100 parts of liquid epoxy resin having an epoxide equivalent weight of 190

CHEMICAL RESISTANCE

Excellent against distilled water, dilute mineral acids, alkalis, detergent solutions and certain chlorinated solvents; moderate against organic acids, denatured alcohol and hydrocarbons; poor against ketones and glycol ethers.

SHELF LIFE

At least 24 months from date of manufacture in original sealed container stored undercover at ambient temperature away from excessive heat and humidity.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2074 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit
Mixed Viscosity @ 25°C	10	poise
Gel Time (150g mix @ 25°C)	33	mins
Thin Film Set Time @ 25°C	4.5	h
Peak exotherm (100g mix at 25°C)	130	°C
Peak exotherm time	45	mins

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Method
Heat distortion temperature	49	°C
Barcol Hardness (Model GYZJ-935)	74	
Bond strength (mild steel)	8	N/mm ²
Flexural strength	37	N/mm ²
Flexural Modulus	2.77	KN/mm ²
Tensile strenght	51	N/mm ²
Tensile Modulus	3.14	K/mm ²
Elongation at break	1.9	%
Compressive strength	82	N/mm ²

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature

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