

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.

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 PROPERTIES

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

TYPICAL HANDLING PROPERTIES

Mixed viscosity at 25°C, poise	10
Gel time, mins (150g mix @ 25°C)	33
Thin film set time at 25°C, h	4.5
Peak exotherm (100g mix at 25°C), °C	130
Peak exotherm time, mins	45

TYPICAL PERFORMANCE PROPERTIES

Heat distortion temperature, °C	49
Barcol Hardness (Model GYZJ-935)	74
Bond strength (mild steel), N/mm²	8
Flexural strength, N/mm²	37
Flexural Modulus, KN/mm²	2.77
Tensile strength, N/mm²	51
Tensile Modulus, K/mm²	3.14
Elongation at break, %	1.9
Compressive strength, N/mm²	82

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature

Epoxy Curing Agents and Modifiers

ANCAMINE® 2074 Curing Agent

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