

ANCAMINE® 1618 Curing Agent**DESCRIPTION**

Ancamine 1618 is a modified cycloaliphatic polyamine adduct intended for use as a room temperature curing agent for liquid epoxy resin. A long proven track record proves Ancamine 1618 a 'classics' in cycloaliphatic curing agents choice.

ADVANTAGES

- Excellent colour and colour stability
- Non-blushing
- High gloss films
- Excellent chemical resistance to water, inorganic acids, alkalis and certain organic solvents including xylene and trichloroethane; good against dilute acetic acid

APPLICATIONS

- Self levelling flooring
- Solvent free and high solids floor and wall coatings
- Water wipeable tile grouts
- Wet lay-up laminating

SHELF LIFE

At least 24 months from the date of manufacture in the 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 1618 curing agent.

TYPICAL PROPERTIES

Appearance	Pale yellow liquid
Colour Gardner max	<2
Viscosity @ 25°C [mPa.s]	450
Amine Value [mg KOH/g]	260-285
Specific Gravity @ 21°C	1.03
Flash Point (closed cup),[°C]	95
Equivalent Wt/{H}	115
Recommended Use Level phr (EEW=190)	60

TYPICAL HANDLING PROPERTIES

Mixed Viscosity @ 25°C (mPas)	2400
Gel Time min (150g mix @ 25°C) min	50
Thin Film Set Time @ 25°C, h	7
Thin Film Set Time @ 10°C h	19.5
Shore D 20°C (24 h)	78
Shore D 10°C (24 h)	47
Peak Exotherm (100g mix @ 25°C)	90

TYPICAL CURE SCHEDULE

2 – 7 days at ambient temperature

TYPICAL PERFORMANCE PROPERTIES

(following 7 days at ambient temperature)	
Barcol hardness (Model GYZJ 935)	81
Flexural Strength, [MPa]	84
Flexural Modulus, [GPa]	2.8
Tensile Strength, [MPa]	51
Tensile Modulus, [GPa]	2.4
Carbamation Test	2
Compressive Strength [MPa]	62
Compressive Modulus [GPa]	1.4
HDT [°C]	46

Epoxy Curing Agents and Modifiers

ANCAMINE® 1618 Curing Agent

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