

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.

TYPICAL PROPERTIES

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

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 HANDLING PROPERTIES

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

HEADLINE

2 – 7 days at ambient temperature

TYPICAL PERFORMANCE PROPERTIES

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

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