

ANCAMINE[®] 2605

Curing Agent

DESCRIPTION

Ancamine 2605 curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Based upon Evonik's Cycloaliphatic Amines, it offers exceptional cost in-use economics and a broad balance of chemical resistance and surface appearance properties. Ancamine 2605 provides high mechanical build, rapid cure and is particularly suitable for lower temperature use.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow liquid		
Colour	max 12	Gardner	ASTM D 1544-80
Viscosity @ 25°C	100-400	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	360-390	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.03		
Equivalent	95	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Excellent chemical resistance
- Good low temperature cure

APPLICATIONS

- Non-colour sensitive applications
- Industrial flooring, screeds, primers, grouts
- Cost sensitive applications
- Chemically resistant tank linings
- High solids coatings
- Secondary containment

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2605 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time (150g mix at 25°C)	28	mins	Techne GT-3 Gelation Timer
Thin Film Set Time @ 25°C	4.0	h	BK Drying Recorder Phase III
Shore D 20°C (24 h)	80		DIN 53505
Shore D 10°C (24 h)	67		DIN 53505
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES* *1

Property	Value	Unit	Method
Compressive Strength	103	MPa	ISO 604
Compressive Modulus	2.1	GPa	ISO 604
Tensile Strength	62.0	MPa	ISO 527
Tensile Modulus	7.3	GPa	ISO 527
Flexural Strength	101	MPa	ISO 178
Flexural Modulus	3.3	GPa	ISO 178
Heat Distortion Temperature	50	°C	ASTM D648
Carbamation Test	2		Scale 1-5 (5 is best)

*With Bisphenol A diglycidyl ether (EEW=190)

*1 BK Drying Recorder Phase III

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