

ANCAMINE[®] 2405**Curing Agent****DESCRIPTION**

Ancamine 2405 is an epoxy curing agent, based on a polycyclic polyamine, developed specifically for use at low temperatures (5-10°C) to complement the room temperature curing agent Ancamine 2280.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber liquid		
Colour	11	Gardner	Gardner scale
Viscosity @ 25°C	600-1100	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	240-280	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.03	g/ml	
Flash Point (closed cup)	>100	°C	
AHEW	127		
Recommended use Level (EEW=190)	60-65		

ADVANTAGES

- Good low temperature reactivity down to 5°C
- Excellent through-cure at 5°C (as measured by rapid development of hardness)
- Fast back-in service and good overcoatability
- Excellent resistance to amine blush and water-spotting
- Excellent chemical resistance comparable to Ancamine 2280

APPLICATIONS

- Chemically resistant high solids and solvent free coatings
- Industrial flooring applications such as self-leveling floors and mortar floors
- High solids coatings and primers

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 2405 curing agent.

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity at 25°C	4500	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C),	34	mins	Techne GT-4 Gelation Timer
Thin Film Set Time @ 25°C	3/5.5	h	BK Drying Recorder (tack free/hard dry)
Thin Film Set Time @ 5°C	22/39	h	BK Drying Recorder (tack free/hard dry)
Peak Exotherm 100g mass @ 25°C	121	°C	
Time to Peak Exotherm	40	mins	
Shore D 20°C (24 h)	76		
Typical cure schedule	2-7	days	

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Compressive Strength	4500	MPa	ISO 604
Compressive Modulus	34	GPa	ISO 604
Tensile Strength	3/5.5	MPa	ISO 527
Tensile Modulus	22/39	GPa	ISO 527
Tensile Elongation at Break	121	%	
Flexural Strength	40	MPa	ISO 178
Flexural Modulus	76	GPa	ISO 178
Heat Distortion Temperature	2-7	°C	

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