

ANCAMINE[®] 2072**Curing Agent****DESCRIPTION**

Ancamine 2072 is a cycloaliphatic polyamine mannich base curing agent for liquid epoxy resin. It is a phenol-free version of Ancamine MCA. Ancamine 2072 produces hard films. Special features of this product include high reactivity at low temperatures and under conditions of high humidity which makes it suitable for industrial and semi-decorative screed flooring and concrete repair applications.

Excellent chemical resistance against water, aqueous detergent solutions and alkalis; good against dilute mineral acids; poor against organic acids, hydrocarbon solvents, trichloroethane, ketones and glycol ethers.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow liquid		
Colour	max. 5	Gardner	ASTM D 1544-80
Viscosity @ 25°C	max. 200	mPa.s	Brookfield RVTD, Spindle 3
Amine Value	350-370	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.01	g/ml	
Equivalent	105	Wt/{H}	
Recommended use Level	55	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- High reactivity at low temperature and at high humidity
- Excellent chemical resistance

APPLICATIONS

- Coatings
- Industrial and semi-decorative screed flooring
- Concrete repair compounds

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 2072 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	2,000	mPas	Brookfield RVTD, Spindle 4
Gel Time (150g mix @ 25°C)	25	mins	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix at 25°C)	112	°C	
Thin Film Set Time @ 25°C	4.5	h	BK Drying Recorder Phase III
Shore D 20°C (24 hours)	81		DIN 53505
Typical cure schedule	2- 7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Tensile Strength	40	MPa	ISO 527
Tensile Modulus	3.5	GPa	ISO 527
Tensile Elongation at Break	1.4	%	
Flexural Strength	78	MPa	ISO 178
Flexural Modulus	2.1	GPa	ISO 178
Heat Distortion Temperature	58	°C	ASTM D648
Carbamation Test	3		Scale 1-5 (5 is best)

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