

Product information

ANCAMINE[®] 2654

Curing Agent

DESCRIPTION

Ancamine 2654 is an modified aliphatic polyamine intended for use as a curing agent with liquid epoxy resin. It offers high reactivity for fast cure and is relatively moisture insensitive. Ancamine 2654 can be used in waterproof membranes and flexible floorings as well as in grouting compounds and concrete repair. Its high reactivity enables it to be a useful accelerator for cycloaliphatic amine curing agents.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear yellow liquid		
Colour	<5	Gardner	ASTM D 1544-80
Viscosity @ 25°C	1200	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	450	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.96		
Equivalent	113	Wt/{H}	
Recommended use Level	60	PHR	With Bisphenol-A diglycidyl ether (EEW=190)

ADVANTAGES

- Relative moisture insensitive
- Enhanced flexibility
- Fast Cure

APPLICATIONS

- Waterproof Membranes
- Flexible Flooring
- Concrete Repair Compounds

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers. Do not freeze.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2654 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time (150g mix at 25°C)	9	mins	Techne GT-3 Gelation Timer
Thin Film Set Time 25°C	2	h	BK Drying Recorder Phase III
Hardness Shore D at 25°C (24h)	nd		DIN 53505
Hardness Shore D at 10°C (24h)	nd		DIN 53505
Peak Exotherm (150g mix, @25°C)	190	°C	
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit	Method
Compressive Strength	nd	MPa	ISO 604
Compressive Modulus	nd	GPa	ISO 604
Flexural Strength	nd	MPa	ISO 178
Flexural Modulus	nd	GPa	ISO 178
Heat Distortion Temperature	nd	°C	ASTM D648
Carbamation Test	nd		ISO 2812 (Wet Patch Method), scale 1-5 (5 is best)

*With Bisphenol-A diglycidyl ether (EEW=190)

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