Product information

ANCAMIDE® 3419

Curing Agent

DESCRIPTION

Ancamide 3419 curing agent is a low viscosity amidoamine curing agent designed for use with liquid epoxy resin. Ancamide 3419 curing agent offers low viscosity and long pot life. Ancamide 3419 curing agent is recommended for high temperature applications such as coatings, sealants, mortars and pipe rehabilitation. The raw materials of Ancamide 3419 curing agent are listed on the positive list of KTW app. 1 submission April 2008.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear amber liquid		
Colour	max 10	Gardner	ASTM D 1544
Viscosity @ 25°C	50-160	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	180-300	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.94		
Equivalent	140	Wt/{H}	
Recommended use Level	75	PHR	With bisphenol-A based epoxy resin (EEW=187)

ADVANTAGES

- Low viscosity
- Long pot life
- High temperature performance

APPLICATIONS

- Coatings and sealants
- Pipe rehabilitation
- Mortar floors

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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.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 3419 curing agent.

TYPICAL CURE SCHEDULE

2-7 days at ambient temperature, or 2 h @ 80°C

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	640	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C)	520	min	Techne GT-3 Gelation Timer, 150 g mix
Time to 10,000 mPa.s @ 40°C	158	min	Rheometer with cone-plate set-up
Time to 10,000 mPa.s @ 70°C	26	min	Rheometer with cone-plate set-up

TYPICAL PERFORMANCE PROPERTIES*

Property	Value	Unit	Method
Glass Transition Temperature			
First heating scan	40	°C	DSC @ 10°C/min heating scan
Cured for 2 h @ 80°C	55	°C	DSC @ 10°C/min heating scan

* With bisphenol-A based epoxy resin (EEW=187)

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