

ANCAMINE® 1934

Curing Agent

DESCRIPTION

Ancamine 1934 is a modified cycloaliphatic polyamine adduct intended for use with liquid epoxy resin. The excellent colour, good colour stability, long pot-life and excellent moisture tolerance make it particularly suitable for use in high ambient temperature solvent-free and high solids coatings, self levelling flooring and tile grouting applications. Ancamine 1934 may be accelerated with Ancamines 1768 or 2432.

Excellent chemical resistance against water, detergent solutions, alkalis and certain chlorinated hydrocarbons; moderate against inorganic acids, organic acids, hydrocarbons and methylated spirits: poor against ketones, glycol ethers and toluene.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Colourless liquid		
Colour	3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	140-360	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	265-295	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.02	g/ml	
Equivalent	100	Wt/{H}	
Recommended use Level	50	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Longer pot-life
- Low viscosity
- Typical cycloaliphatic cure properties

APPLICATIONS

- Self-leveling Floors
- Solvent free-coatings
- Tile grouts

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 1934 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mix Viscosity @ 25°C	20	mPas	
Gel Time (150g mix @ 25°C)	80	mins	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix @ 25°C)	40	°C	
Thin Film Set Time @ 25°C	14	h	BK Drying Recorder Phase III
Typical cure schedule	2- 7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Tensile Strength	52	MPa	ISO 527
Tensile Modulus	2.0	GPa	ISO 527
Tensile Elongation at Break	3.7	%	
Flexural Strength	94	MPa	ISO 178
Flexural Modulus	1.9	GPa	ISO 178
Heat Distortion Temperature	40	°C	ASTM D648

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EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chundong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

