Product information

ANCAMINE® 2196

Curing Agent

DESCRIPTION

Ancamine 2196 is a modified cycloaliphatic polyamine designed for use with liquid epoxy resin. The low viscosity, excellent colour and ability to cure relatively quickly at low temperatures make Ancamine 2196 suitable for use in solvent-free coatings, self-leveling and screed flooring applications. This product is intended as a replacement for Ancamine 1561 for applications requiring optimum colour stability, however Ancamine 2196 is not suitable for use with volatile solvents in high solids applications and may cause pigment separation, flotation or discolouration with certain transition metal based pigments such as chronium, iron, copper.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Light coloured liquid		
Colour	2	Gardner	ASTM D 1544-80
Viscosity @ 25°C	10-80	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	385-405	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	0.98	g/ml	
Equivalent	87	Wt/{H}	
Recommended use Level	45	PHR	With Bisphenol A diglycidyl ether (EEW=190)

ADVANTAGES

- Low viscosity
- Good colour stability
- Good low temperature cure

APPLICATIONS

- Flooring – self-leveling and screeds
- Solvent-free coatings

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

EVONIK
Leading Beyond Chemistry

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2196 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity @ 25°C	600	mPas	Brookfield RVTD, Spindle 4
Gel Time (150g mix @ 25°C)	32	mins	Techne GT-3 Gelation Timer
Peak Exotherm (150g mix @ 25°C)	130	°C	
Thin Film Set Time @ 25°C	6	h	BK Drying Recorder Phase III
Typical cure schedule	7	days at ambient temperature	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Tensile Strength	49	MPa	ISO 527
Tensile Modulus	6.0	GPa	ISO 527
Tensile Elongation at Break	1.0	%	
Flexural Strength	116	MPa	ISO 178
Flexural Modulus	4.6	GPa	ISO 178

Ancamine® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

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
7201 Hamilton Blvd.
Allentown, PA 18195
USA

CrosslinkersProdinfo@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