

**ANCAMINE<sup>®</sup> 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 chromium, 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.

## 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.

**Disclaimer**

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

**EVONIK OPERATIONS GMBH**

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

[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

**Product Information:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**Sample Request:** [APCSE@evonik.com](mailto:APCSE@evonik.com)

**EVONIK CORPORATION**

Business Line Crosslinkers  
7201 Hamilton Blvd.  
Allentown, PA 18195  
USA

[CrosslinkersProinfo@evonik.com](mailto:CrosslinkersProinfo@evonik.com)

[Crosslinkers-Samples@evonik.com](mailto: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](mailto:CL-Asiainfo@evonik.com)

[CL-Asiainfo@evonik.com](mailto:CL-Asiainfo@evonik.com)

