

ANCAMINE[®] 2608

Curing Agent

DESCRIPTION

Ancamine 2608 is a modified cycloaliphatic polyamine intended for use as an ambient curing agent for liquid epoxy resin. The product is a low viscosity curing agent which exhibits very fast cure speed at moderate to good carbamation resistance. Ancamine 2608 can be used to formulate high solid coatings, self levelling and screed flooring where good chemical resistance is required. The product is free of nonyl phenol.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear light yellow liquid		
Colour	≤ 4	Gardner	Gardner scale
Viscosity @ 25°C	100-400	mPa.s	Brookfield RVTD, Spindle 4
Amine Value	310-340	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 25°C	1.01		
Flash Point (closed cup)	>100	°C	
AHEW	95		
Recommended use Level phr (EEW=190)	50		

ADVANTAGES

- Fast cure and development of properties at ambient and low temperature
- Good to moderate resistance to carbamation and waterspotting
- Good chemical resistance
- Low viscosity

APPLICATIONS

- Chemically resistant high solids and solvent free coatings
- Industrial flooring applications such as self-levelling floors and mortar floors
- Accelerator for other curing agents

SHELF LIFE

At least 24 months from date of manufacture in original sealed container stored undercover at ambient temperature away from excessive heat and humidity. Discolouration can be expected with time and on exposure to light. Product may appear pink when stored in IBC's.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2608 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Mixed Viscosity at 25°C,	1900	mPa.s	Brookfield RVTD, Spindle 4
Gel Time (150g mix at 25°C)	20	mins	Techne GT-4 Gelation Timer
Thin Film Set Time @ 25°C	3.5	h	BK Drying Recorder
Shore D 20°C (4/8/24 h)	63/75/79		
Shore D 10°C (16/24 h)	33/73/77		
Typical cure schedule	2-7	days	

TYPICAL PERFORMANCE PROPERTIES

Property	Value	Unit	Method
Compressive Strength	86	MPa	ISO 604
Compressive Modulus	1.8	GPa	ISO 604
Tensile Strength	57	MPa	ISO 527
Tensile Modulus	7.4	GPa	ISO 527
Flexural Strength	97	MPa	ISO 178
Flexural Modulus	3.5	GPa	ISO 178
HDT	45	°C	

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

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

