

ANCAMIDE® 260A Curing Agent**DESCRIPTION**

Ancamide 260A is a member of a series of reactive polyamides developed for use in the curing of epoxy resins. It has a relatively high amine value and has a lower molecular weight and viscosity than Ancamide 220 and is used primarily, but not exclusively, with liquid epoxy resin.

Applications for Ancamide 260A include adhesives, sealants, putties, cable jointing, concrete repair compounds and surface coatings.

Improved reactivity, chemical resistance and/or viscosity reduction can be achieved by blending with aliphatics or amidoamine curing agents.

Good chemical resistance against water, alkali solutions, alcohols; moderate to poor against acids and solvents.

ADVANTAGES

- Low viscosity compared to Anacamide 220 standard polyamide
- Supplied as 100% solids for maximum formulation flexibility
- Good water/corrosion resistance

APPLICATIONS

- Coatings
- Adhesives
- Sealants and Putties
- Cable jointing
- Concrete repair compounds

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 Ancamide 260A curing agent.

TYPICAL PROPERTIES

Appearance	Amber liquid
Colour¹ (Gardner)	<10
Viscosity² @ 25°C [Pa.s]	35-45
Amine Value³ [mg KOH/g]	330-360
Specific Gravity @ 21°C, [g/ml]	0.96
Equivalent Wt/{H}	110
Recommended use Level⁴ [PHR]	60
Flash Point (closed cup), [°C]	200

TYPICAL HANDLING PROPERTIES⁴

Gel Time⁵ (150g mix at 25°C) [mins]	200
Thin Film Set Time⁶ 25°C, [h]	10

TYPICAL CURE SCHEDULE

- (i) 2-7 Days at Room Temperature
- (ii) 2 Hours at 60°C plus 1 h at 100°C

TYPICAL PERFORMANCE PROPERTIES⁴

Following Cure Schedule (ii)	
Flexural Strength⁷, [MPa]	86
Heat Distortion Temperature⁸, [°C]	62

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, Spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder Phase III
- (7) ISO 178
- (8) ASTM D648

Epoxy Curing Agents and Modifiers

ANCAMIDE® 260A Curing Agent

EVONIK RESOURCE EFFICIENCY GMBH

Business Line Crosslinkers
Paul-Baumann-Straße 1
45764 Marl
Germany

apcsepx@evonik.com
www.evonik.com/crosslinkers

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

