

ANCAMIDE® 3444

Curing Agent

DESCRIPTION

Ancamide 3444 curing agent is a low viscosity, solvent free modified polyaminoamide adduct designed for use with liquid epoxy resin. The curing agent is recommended for primers, coatings especially in problematical areas such as wet and humid application areas.

In addition, Ancamide 3444 curing agent can be used for high solid coatings for corrosion protection under severe conditions. Ancamide 3444 curing agent is free from bisphenol A and phenol derivatives.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear amber liquid		
Colour	max 10	Gardner	ISO 4630
Viscosity @ 25°C	500-1500	mPa.s	ISO 2555
Amine Value	280-330	mg KOH/g	DIN 16945
Specific Gravity @ 21°C	1.03		ISO 2811
Equivalent	115	Wt/{H}	
Recommended use Level	60	PHR	With bisphenol-A based epoxy resin (EEW=190)

ADVANTAGES

- Fast property development
- Good adhesion to damp substrates
- Corrosion resistance

APPLICATIONS

- Primers and coatings for wet and high humid application areas
- High solid coatings for corrosion protection
- Adhesive compounds

SHELF LIFE

At least 36 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 3444 curing agent.

TYPICAL HANDLING PROPERTIES* 23°C, 50% RH

Merkmal	Value	Unit	Method
Mix viscosity	3250-3750	mPa.s	ISO 2555
Gel Time	40-50	min	Techne Gelation Timer, 150 g mix
Thin Film Set Time	6	h	ASTM D 5895 – Dry hard time
Persoz Hardness after 1 / 7 days	170-310	s	ISO 1522
Shore Hardness after 1 / 7 days	80D/85D		ISO 868
Typical cure schedule	2- 7	days	

*With bisphenol-A based epoxy resin (EEW=190)

Ancamide® 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, Chungong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

