

Product information

ANCAMINE[®] 2844

Ancamine[®] 2844 is a formulated polyamine Mannich base designed for use as an ambient curing agent in two-component liquid epoxy systems. It is especially suitable for use in protective coatings either as an accelerator or as ultra-fast cure hardener in multicomponent spray applications. Special features include extremely fast cure speed also at low temperature and high chemical and corrosion resistance. This curing agent is an ideal alternative to Ancamine 2878 when even faster cure speeds and lower solvent levels are required.

TYPICAL HARDENER PROPERTIES

Property	Value	Unit	Method
Color	≤ 8	Gardner	ASTM D 1544
Viscosity, 25 °C	1500 - 2000	mPas	Brookfield RV, spindle 27
Amine value	450 - 480	mg KOH/g	Perchloric acid titration

RECOMMENDED USE LEVEL

Amine equivalent	70		calculated
Use level per 100 g BPA liquid epoxy resin	40	g	stoichiometric ratio

TYPICAL PERFORMANCE PROPERTIES

Formulation with standard BPA liquid epoxy resin			
Pot life	13	min	Techne GT-3 Gelation Timer
Thin Film Set Time 23 °C	1.5	h	BK Drying Recorder Phase III
Thin Film Set Time 5 °C	5.5	h	BK Drying Recorder Phase III
Carbamation Resistance 23 °C	5	Scale 1 - 5	ASTM D 870 1 d
Carbamation Resistance 5 °C	5	Scale 1 - 5	ASTM D 870 1 d

APPLICATIONS

- Industrial coatings
- Protective coatings
- Marine coatings

BENEFITS

- High reactivity
- Good low temperature cure
- High corrosion resistance

SUSTAINABILITY ATTRIBUTES



Durability



Efficiency

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 Material Safety Data Sheet of Ancamine[®] 2844.

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

