

Technical Data Sheet

EPIKURE™ Curing Agent 3380

Product Description

EPIKURE™ Curing Agent 3380 is a modified cycloaliphatic amine, very low viscosity, light colored epoxy curing agent. Systems formulated with EPIKURE Curing Agent 3380 exhibit excellent corrosion and chemical resistance and good color stability. It is ideally suited for architectural and maintenance coatings.

Application Areas/Suggested Uses

- Solvent-free coatings
- High solids maintenance primers
- Pastel colored architectural coatings
- Pipe and tank linings

Benefits

- Excellent chemical and corrosion resistance
- Excellent gloss and color stability
- Good flexibility
- Low mixed viscosity

Sales Specifications

Property	Value	Unit	Test Method
Amine Value	260 - 280	mg/g	ASTMD2896
Color	1	Gardner	ASTMD1544
Viscosity at 25°C	200 - 400	cP	ASTMD2196

Typical Properties

Property	Value	Unit	Test Method
Appearance	Clear and free of foreign particles		
Density @ 25°C	8.5	lbs/gal	ASTMD1475
Equivalent Weight Approx.	114		
Flash Point	>100	°C	ASTMD3278
Mix Ratio EPON™ Resin 828	57 - 63	PHR	

Performance Properties

EPIKURE Curing Agent 3380
<http://www.westlakeepoxy.com/en-US/product/epikure-curing-agent-3380>

Generated: May 24, 2022
 Issue Date:
 Revision: 8/1/2007 12:00:00 AM

© and ™ Licensed trademarks of Westlake Inc.

The information provided herein was believed by Westlake Inc. ("Westlake") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Westlake Epoxy are subject to Westlake Epoxy's terms and conditions of sale. **WESTLAKE MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY WESTLAKE**, except that the product shall conform to Westlake's specifications. Nothing contained herein constitutes an offer for the sale of any product.

Table 1 / Properties of Systems Cured with EPIKURE Curing Agent 3380

Composition	Method	Units	A	B	C
EPON™ Resin 828		pbw	100	—	—
EPON Resin 813		pbw	—	100	—
EPON Resin 8132		pbw	—	—	100
EPIKURE Curing Agent 3380		pbw	60	60	55

Handling Properties @ 25°C

Viscosity, Initial		cP	2,320	640	640
Pot life, 100 gram mass		min	34	51	60

Cured State Properties¹

Heat Deflection Temperature	ASTM D648	°C	57	32	35
Tensile Strength	ASTM D638	psi	7,365	4,614	3,243
Tensile Elongation at break		%	11.6	18.0	26.9
Flexural Strength	ASTM D790	psi	12,211	7,069	5,315
Flexural Modulus, Initial		ksi	410	250	190
Hardness		Shore D	81	78	72

Chemical Resistance²

Water absorption		%	0.32	0.32	0.30
5% Acetic Acid		%	0.40	0.40	0.39
5% Sodium hydroxide		%	0.29	0.29	0.27
50% Xylene/50% Isopropanol		%	- 0.04	- 0.04	764

EPIKURE Curing Agent 3380
<http://www.westlakeepoxy.com/en-US/product/epikure-curing-agent-3380>

Generated: May 24, 2022
Issue Date:
Revision: 8/1/2007 12:00:00 AM

© and ™ Licensed trademarks of Westlake Inc.

The information provided herein was believed by Westlake Inc. ("Westlake") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Westlake Epoxy are subject to Westlake Epoxy's terms and conditions of sale. **WESTLAKE MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY WESTLAKE**, except that the product shall conform to Westlake's specifications. Nothing contained herein constitutes an offer for the sale of any product.

¹ Determined on 1/8-inch thick test specimens cured 24 hours at 25 °C, followed by 2 hours at 100 °C.

² Percent weight gain after immersion for 24 hours at 25 °C.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion web site for Shelf Life and recommended Storage information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. ("Hexion") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

Available in bulk and drum quantities.

Contact Information

For literature and technical assistance, visit our website at www.hexion.com