

Product information

ANCAREZ[®] 2364

Flexibiliser

DESCRIPTION

Ancarez 2364 flexibiliser is a moderate viscosity acrylate-functional urethane resin. It is stable over long periods when mixed with liquid epoxy and is 100% reactive when cured with amine curing agents. When formulated with liquid epoxy resin it efficiently delivers elongation and tear resistance over a broad temperature range, whilst maintaining good strength.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Non Volatile Matter	Clear Liquid		
Colour	<2 max	Gardner	
Viscosity @ 25°C	250-350	Poise	
Solids Viscosity	100	%	
Primary Functional Reactive Group	Acrylate		
Equivalent Wt {Epoxyde}	450-480		

ADVANTAGES

- High tear resistance, tensile strength and Elongation
- Excellent low temperature performance good chemical and moisture resistance

APPLICATIONS

Ancarez 2364 flexibiliser is especially suited for civil engineering applications such as crack bridging, secondary containment membranes and other flexible membrane applications (bridge decks, parking decks).

Ancarez 2364 can also be used in adhesive applications where it offers high peel strength, in electronic encapsulation applications for its good thermal shock resistance and in composite applications where it offers impact resistance.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancarez 2364 flexibliser.

PERFORMANCE DATA

Epoxy Resin (EEW-190)	33.3	33.3	59.0	50.0
Epodil 748	16.7	24.0	16.7	16.7
Ancarez 2364	50.0	42.7	24.3	33.4
Formulated Aliphatic Amine A	30.4	—	35.7	—
Formulated Aliphatic Amine B	—	35.3	—	36.8

TYPICAL HANDLING PROPERTIES

Property	Unit					Method
Formulated Viscosity	mPa.s	2960	1730	1220	2440	ASTM D 1544-80
Gel Time	min	83	45	34	25	Brookfield RVTD, Spindle 4
Thin Film Set Time						BK Drying recorder, phase III
@ 25°C	h	13	12	9	7	
@ 10°C	h	33	40	27	25	
Shore D Hardness						
1 day		22	20	55	50	
2 days		42	45	65	65	
7 days		60	55	75	75	

Ancarez® 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
7201 Hamilton Blvd.
Allentown, PA 18195
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

