

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	

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