

Product information

ANCAMIDE[®] 2447

Curing Agent

DESCRIPTION

Ancamide 2447 curing agent is a low-viscosity amidoamine that exhibits long pot life and excellent corrosion resistance. It can be used as a modifier to extend pot life, reduce viscosity or impart flexibility in a number of civil engineering applications, such as concrete primers, flooring, crack injection or other applications that require high flexibility. In addition, when used in combination with other amidoamines, it can be used in grout applications.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Colour	5	Gardner	
Viscosity @ 77°F	320	cP	
Amine Value	380	mg KOH/g	
Equivalent Wt/{H}	95		
Recommended Use Level	50	PHR	EEW=190

ADVANTAGES

- Low viscosity
- Improved flexibility
- Long pot life

APPLICATIONS

- Concrete primers
- Flooring
- Crack injection
- Grouts

SHELF LIFE

At least 24 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 2447 curing agent.

TYPICAL HANDLING PROPERTIES

Property	A	B	Unit
Mixed Viscosity @ 77°F	2200	1100	
Gel Time (150g mix @ 77°F)	395	570	min
Thin Film Set Time @ 77 °F	15	20	h
Peak Exotherm (100 g mass)	28	25	°C

TYPICAL PERFORMANCE

7 day cure @ 77°F	A	B	Unit
Hardness, Shore D	76	71	
Glass Transition Temperature	46	44	°C
Compressive Strength @ Yield	4700	2900	psi
Compressive Modulus	130	85	thousand psi
Tensile Strength	3900	2300	psi
Tensile Modulus	185	95	thousand psi
Tensile Elongation @ Break	25	40	%
Flexural Strength	8500	5000	psi
Flexural Modulus	245	150	thousand psi

A: Ancamide 2447 curing agent formulated with standard Bisphenol-A (DGEBA, EEW=190) epoxy resin.

B: Ancamide 2447 curing agent with 90% DGEBA resin (EEW=190) and 10% Epodil® 748 diluent (C₁₂-C₁₄ alkyl glycidyl ether).

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