

Product information

ANCAMINE[®] 2850

Curing Agent

DESCRIPTION

Ancamine[®] 2850 is a modified polyamine intended for use as a curing agent for diluted liquid epoxy resin at ambient and low temperature application. Ancamine[®] 2850 is free of nonyl phenol and benzyl alcohol, facilitating in low volatile organic component coating and flooring formulations.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Clear yellow liquid		
Colour	≤5	Gardner	ASTM D 1544
Viscosity @ 25°C	400-700	cPs	Brookfield RVTD, Spindle 27
Amine Value	370-435	mg KOH/g	Perchloric acid titration
Specific Gravity @ 21°C	1.01		
Equivalent Wt{H}	68-76		
Recommended Use Level	35-40	phr	Bisphenol A diglycidyl ether resin (EEW=197)/Epodi 748 (90:10)

ADVANTAGES

- Moisture tolerant
- Ultra-fast cure at ambient and low temperature
- Adhesion to dry and damp concrete
- Excellent chemical resistance
- Nonyl phenol and benzyl alcohol free
- Low VOC and Emissions

APPLICATIONS

- Moisture vapor barrier
- ASTM F3010 certified (<0.1 perms)
- Protective coatings
- Industrial flooring applications

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 Safety Data Sheet for Ancamine[®] 2850 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Gel Time @ 25°C	25-35	min	Techne GT-3 Gelation Timer
Thin Film Set Time (23°C)	3.0	h	ASTM D 5895 - BK Drying Recorder, Phase 3, 60% RH
Thin Film Set Time (10°C)	6.0	h	ASTM D 5895 - BK Drying Recorder, Phase 3, 60% RH
Hardness Shore D @ 23°C (8h/24h)	80/80		
Hardness Shore D @ 10°C (8h/24h)	55/80		
Compressive Strength	13,850	psi	ASTM D 695-08
Compressive Modulus	325	thousand psi	ASTM D 695-08
Tensile Strength	7,100	psi	ASTM D 638-14
Tensile Modulus	550	thousand psi	ASTM D 638-14
Tensile Elongation @ Break	1.5	%	ASTM D 638-14

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