

ANCAMIDE[®] 2853**Curing Agent****DESCRIPTION**

Ancamide 2853 is a modified polyamide curing agent intended to use with liquid epoxy resin for fast cure, high elongation and hardness application. Ancamide 2853 contains no nonyl phenol or benzyl alcohol, enabling low VOC and low emissions coatings.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	clear amber liquid		
Color	≤ 14	Gardner	ASTM D1544
Viscosity @ 25°C	2500-3500	cPs	Brookfield RV, Spindle S27
Specific Gravity @ 21°C	0.99		
Amine Value	170	mg KOH/g	Perchloric Acid Titration
Equivalent Wt/[H]	225-255		
Use Level	115-130	phr	Bisphenol A diglycidyl ether resin (EEW=190)/Epodil 748 (90:10)

ADVANTAGES

- High elongation and high hardness
- Fast cure at ambient and low temperature
- Adhesion to dry and damp concrete
- Flexibility at low temperature (<0°C)
- Contains no nonyl phenol and benzyl alcohol
- Low VOC and emissions
- High tensile and tear strength

APPLICATIONS

- Flexible primer for concrete
- Deck membrane
- Waterproofing membrane
- Crack bridging
- Joint sealant
- Flexible grouts and overlays

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 2853 curing agent.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time (150g mix @ 23°C)	45-55	min	ASTM D2471 Techne GT-3 Gelation Timer
Thin Film Set Time @ 23°C	5	h	ASTM D5895, BK Drying Recorder Phase 3, 50% RH
Thin Film Set Time @ 10°C	11	h	ASTM D5895, BK Drying Recorder Phase 3, 50% RH
Hardness Shore D 6h/24h/7d @ 23°C	39/66/70		ASTM D2240
Trouser Tear Strength	234	lb/in	ASTM D1938
Die-C Tear Strength	298	lb/in	ASTM D624
Adhesion to Concrete Dry/Damp	987/617	psi	ASTM D7234
Tensile Elongation @ Break	186	%	ASTM D638
Tensile Strength	2105	psi	ASTM D638

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