

# Cardolite<sup>®</sup> NX-8101

## Epoxy Curing Agent

### Preliminary Technical Datasheet

#### DESCRIPTION

Cardolite NX-8101 is an epoxy curing agent based on latest modified CNSL waterborne technology. This product is supplied in water and provides excellent performance to anticorrosion coatings, epoxy primers and self-levelers for concrete floors.

#### TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Amber liquid	Visual
Color (Gardner)	≤ 10	ASTM D1544
Viscosity @ 25°C (cPs)	15,000 - 55,000	ASTM D2196
Amine Value (mg KOH/g)	140 - 180	ASTM D2074
Theoretical Active Hydrogen Equivalent (AHEW) <sup>1</sup>	270	Calculated
Solids (% by weight)	48 - 52	ASTM D2369-98
Density @ 25°C (kg/L) (lbs/gal)	1.03 8.61	ASTM D1475
Recommended Use Level (phr, EEW 190)		
Metal primer	105 - 130	
Thin films for concrete (clear or pigmented)	130 - 142	-
Self-levelers:		
Highly filled with various particle sizes	120 - 142	
Lower filler content and high film build	92 - 102	

Typical properties are not to be construed as specifications

<sup>1</sup> Based on total product weight

#### CURE PROPERTIES

	FORMULATION	TEST METHOD
Liquid Epoxy Resin (pbw, EEW 190)	100	
Cardolite NX-8101 (pbw)	142	
Mix viscosity @ 25°C (cPs)	1,850	
Gel time, 50 g @ 25°C (min)	45	NTM-15
Thin film dry times, 8 mils (200 micron)		
@ 25°C (77°F) (hrs hard/through)	3/4	ASTM D5895
@ 5°C (41°F) (hrs hard/through)	9/17	ASTM D5895
Film appearance @ 10°C, 80% RH	Clear	Visual

## REGULATORY STATUS

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Please refer to the material safety data sheet (MSDS). Specific information regarding chemical inventory listing can be obtained from your local sales representative.

## SAFETY PRECAUTIONS

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Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

## STABILITY AND STORAGE

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Cardolite products may absorb moisture and carbon dioxide when left in open containers, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place that does not exceed 40°C.

## CONTACT INFORMATION

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