

# Epoxy cure Corp.

## EC 423 EPOXY CURING AGENT

### DESCRIPTION

Epoxy cure 423 is a room temperature curing agent for fast cure, light color coating systems when reacted with a 190 EEW Bisphenol A or F resin

### ADVANTAGES

Low mixed viscosity  
Excellent color stability  
Fast gel time (20 minutes in 150 gram mix)

### APPLICATIONS

Self-leveling floor toppings  
High solids coatings  
Grouts, adhesives  
Surf board laminates  
Patching compounds

### STORAGE LIFE

24 months from date of manufacture  
Store at 77°F away from excessive heat and humidity in tightly closed containers

### HANDLING PRECAUTIONS

Refer to Safety Data Sheet for EC 423

### TYPICAL PROPERTIES

Color (Gardner)	<1
Viscosity at 25°C, cP	110
Density 25°C 1g/cm <sup>3</sup>	1.03
Equivalent Weight/[H]	93
Loading Ratio	100A:50B
(parts per 100 parts of 190 EEW epoxy resin)	
Gel Time at 25°C, min	20
Initial Mixed Viscosity	720
25°C, cP	

### MECHANICAL PROPERTIES

(7 day cure at 77°F)	<u>Value</u>
HDT, Post Cure, °F	140
HDT, Room Temperature	122
Cure, °F	
Elongation at Break, %	8.12
Compressive Strength, psi	7,950
Flexural Strength, psi	11,200
Tensile Strength, psi	7,600
Flexural Modulus, psi	362,500
Volumetric Shrinkage, %	3.4
Hardness, Shore D	84
Izod Impact, ft-lbs/in	1.28
Volumetric Yield, in <sup>3</sup> /lb	24.00
Cured Density, g/cm <sup>3</sup>	1.152

EC 423 adduct based on 1,3 BAC shows 20% improvement in color fastness at 500 hrs QUV test vs similar type IPDA adduct