

Epoxyure Corp.

EC 430 EPOXY CURING AGENT

DESCRIPTION

Epoxyure 430 is a room temperature curing agent designed to exhibit light color, good chemical resistance and low blush films when reacted with a 190 EEW Bisphenol A or F epoxy resin

ADVANTAGES

Very low viscosity
Superior color stability
Medium gel time (40 minutes)
Lower mixed viscosity

APPLICATIONS

Decorative and self-leveling floor toppings
High solids coatings
Grouts, adhesives
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 430

TYPICAL PROPERTIES

Color (Gardner)	<1
Viscosity at 25°C, cP	70
Density 25°C 1g/cm ³	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	40
Initial Mixed Viscosity	670
25°C, cP	

MECHANICAL PROPERTIES

(7 day cure at 77°F)	<u>Value</u>
HDT, Post Cure, °F	136.1
HDT, Room Temperature	
Cure, °F	121.7
Elongation at Break, %	9.28
Compressive Strength, psi	9,186
Flexural Strength, psi	12,094
Tensile Strength, psi	8,028
Flexural Modulus, psi	408,801
Volumetric Shrinkage, %	3.21
Hardness, Shore D	83
Izod Impact, ft-lbs/in	1.388
Volumetric Yield, in ³ /lb	23.99
Cured Density, g/cm ³	1.154

EC 430 adduct based on 1,3 BAC shows 20% improvement in color fastness at 500 hrs QUV test vs IPDA adduct

Epoxyure Corp. • 600 Reed Road, Suite 103 • Broomall, PA 19008
Toll Free Tel.: (866) 337-1977