

Epoxyure Corp.

EC 422 EPOXY CURING AGENT

DESCRIPTION

Epoxyure 422 is an IPDA based amine adduct used as an ambient temperature hardener with Bis A or F liquid epoxy resins. Light color and moisture insensitivity make it ideal for use in self-leveling Floor mortars

ADVANTAGES

Low viscosity
Excellent flow & leveling
Ideal working time
High filler loadings
Blush resistant films

APPLICATIONS

Self-level floor toppings
Grouts and adhesives
High filler floor mortars
Chemical resistant coatings

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 422

TYPICAL PROPERTIES

Color (Gardner)	>1
Viscosity at 25°C, cP	110
Density 25°C 1g/cm ³	1.16
Equivalent Weight/ [H]	93
Loading Ratio	50
(parts per 100 parts of 190 EEW epoxy resin)	
Gel Time at 25°C, min	39
Initial Mixed Viscosity	1,000
25°C, cP	

MECHANICAL PROPERTIES

(7 day cure at 77°F)	<u>Value</u>
HDT, Post Cure, °F	150
HDT, Room Temperature	126
Cure, °F	
Elongation at Break, %	9.55
Compressive Strength, psi	9,835
Flexural Strength, psi	12,060
Tensile Strength, psi	8,100
Flexural Modulus, psi	409,000
Volumetric Shrinkage, %	4.08
Hardness, Shore D	86
Izod Impact, ft-lbs/in	1.065
Volumetric Yield, in ³ /lb	24.10
Cured Density, g/cm ³	1.149
Thin Film Cure Time	4 hrs
Through Cure	6 hrs

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