EC 422 EPOXY CURING AGENT

DESCRIPTION
Epoxycure 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/cm³ 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) Value
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, in³/lb 24.10
Cured Density, g/cm³ 1.149
Thin Film Cure Time 4 hrs
Through Cure 6 hrs

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