EC 430 EPOXY CURING AGENT

DESCRIPTION
Epoxycure 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/cm³ 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 25°C, cP 670

MECHANICAL PROPERTIES
(7 day cure at 77°F)
- Value
- HDT, Post Cure, °F 135.1
- HDT, Room Temperature 121.7
- Cure, °F 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, in³/lb 23.99
- Cured Density, g/cm³ 1.154

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