



## Freeman EP 8215-1 Epoxy Adhesive

### Description

Freeman EP 8215-1 is a room temperature cure, epoxy adhesive designed for structural bonding, laminating, and potting where high strength, and mechanical and electrical properties are required. This adhesive bonds to most materials including fiberglass, ceramics, metal, and many plastics. Fully cured EP 8215-1 is a durable electrical insulator with resistance to water, weather, oxygen, solvents, fuels, oils, alcohols, mild acids and alkalis and many other organic compounds including diesel fuel and gasoline.

### Physical Properties

Color	Off-White
Mix Ratio (by weight)	2:1
Viscosity, Mixed (cps)	50,000
Density (g/cc)	1.15
Hardness (Shore D)	80
Gel Time (minutes @ 77°F)	40-60
Light Handling Time (hours @ 77°F)	2-4
Cure Time (hours @ 77°F)	24
Lap Shear Strength (psi)	3,700
Tensile Strength	6,600
Service Temperature (°F)	302

The user shall determine the suitability of this product for their application and assumes all risks and liabilities associated with the use of this product. The exclusive remedy for all proven claims is replacement of our materials only and in no event shall Freeman Mfg. & Supply Co. be liable for special, incidental, or consequential claims.