



## Fre-Weld 8103 Epoxy Adhesive

### Description

The Fre-Weld 8103 Epoxy Adhesive is formulated for the effective bonding of Foam, Modeling, Styling, and Tooling Boards as well as most metals and plastics. Fre-Weld 8103 cures at room temperature and features excellent vibration and impact resistance with high peel and shear strength.

### Physical Properties

Color	Clear
Mix Ratio (by weight)	1:1
Mix Ratio (by volume)	1:1
Density (g/cc)	1.15
Volumetric Yield (in. <sup>3</sup> /lb.)	24.07
Viscosity, Resin / Hardener (cps)	7,000 / 5,000
Hardness (Shore D)	70
Gel Time (minutes @ 77°F)	20-30
Light Handling Time (hours @ 77°F)	8
Cure Time (hours @ 77°F)	24-48
Tensile Strength (psi)	7,100
Service Temperature (°F)	300

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.

READ SAFETY DATA SHEETS AND PRODUCT LABELS BEFORE USING PRODUCT