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Technical Data Sheet

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Repro® Laminating Resin Fast-Cast Urethane

Description

Repro Surface Coat and Laminating System is a low cost, fast, and very accurate alternative to traditional epoxy fiberglass tooling. Although this tooling urethane is not designed to be used in high-temperature or high wear applications, Repro Surface Coat and Laminating Resin is the ideal material choice for many mold-making applications. Both materials are white in color, offer low exotherm providing low shrinkage. This system is easy to use for people not experienced in constructing laminate tooling, will not get hot even in thick sections, and demolds in 3-4 hours versus 24 hours for epoxy systems. Repro Laminating is designed to work with Fiberglass Strand. This will produce an ideal back-up material for surface coats in less time.

Physical Properties

Color (when mixed)	White
Mix Ratio (R:H, by weight or volume)	1:1
Viscosity (cps, mixed)	3,500
Gel Time (minutes @ 72°F.)	15
Demold Time (hours)	3-4
Hardness (Shore D) (ASTM 2240)	83-85
Specific Gravity, Mixed	1.90
Volumetric Yield (cu. in./ lb.) (ASTM D-792)	14.5

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
053193	Repro Laminating Resin Quart Unit	Quart	5
053194	Repro Laminating Resin Gallon Unit	Gallon	20
053195	Repro Laminating Resin 5-Gallon Unit	5-Gallon	100
054071	Fiberglass Strand 1/4” 50 lb. Box	Box	50
054073	Fiberglass Strand 1/4” 5 lb. Box	Box	5

Physical and mechanical properties of tooling plastics herein reported are typical after a full cure of seven (7) days at room temperature or equivalent. Designated mix ratios must be adhered to for desired results. 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