



Freeman 705

General Purpose, PFP, Epoxy Surface Coat

Description

Freeman 705 Epoxy Surface Coat features variable gel times, depending upon which hardener is used. This product cures in the presence of moisture. It is ideal in plastic faced plaster construction and in general-purpose composite tooling.

Physical Properties

	705-15	705-45
Color (when mixed)	White	White
Mix Ratio (R:H, by wt.)	100:14	100:14
Mix Ratio (R:H, by volume)	100:20	100:20
Viscosity (cps, mixed)	18,300	18,300
Gel Time (min. @ 72°F.)	15	45
Demold Time (hrs.)	24	24
Hardness (Shore D) (ASTM 2240)	90	90
Specific Gravity, Mixed (ASTM D-792)	1.414	1.414
Volumetric Yield (cu. in./ lb.)	19.58	19.58
Compressive Strength (psi)	16,800	16,800
Tensile Strength (psi) (ASTM D-638)	5,100	5,100
Flexural Strength (psi)	7,000	7,000
Flexural Modulus (psi)	.76 x 10 ⁶	.76 x 10 ⁶
C.T.E. (in/in/°F)	4.8 x 10 ⁻⁵	-
Deflection Temperature (°F)	250	250

Ordering Information

Item Number	Description	Size	Net Wt. Lbs.
055712	Freeman 705 Surface Coat Resin Only	Quart	2
055706	Freeman 705-15 Surface Coat Hardener Only	½-Pint	0.28
055713	Freeman 705-45 Surface Coat Hardener Only	½-Pint	0.28
055707	Freeman 705 Surface Coat Resin Only	5-Gallon	45
055704	Freeman 705-15 Surface Coat Hardener Only	Gallon	6.3
055708	Freeman 705-45 Surface Coat Hardener Only	Gallon	6.3

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