RP 1118 R/H

Ren®
Epoxy

A Versatile Intermediate Plastic-faced Plaster Surface Coat

Ren® RP 1118 resin and hardener is a versatile, all-purpose surface coat designed primarily for use with plaster. Its light-blue color provides a contrast to the plaster and the system offers excellent adhesion. RP 1118 R/H is a smooth and easy-to-apply and may be used at temperatures up to 200°F (93°C) with an oven postcure.

MIX RATIO	By Weight:	By Volume:
Resin to Hardener	100 to 9	100 to 13

TYPICAL HANDLING PROPERTIES*	**ASTM Method**	**Resin**	**Hardener**	**Mixed**
Color	Visual	White	Blue	Light blue
Specific Gravity	D-1963	1.48–1.62	1.01–1.05	
Sag Resistance	D-2730-68			Pass 1/16” Fail 1/8”
Gel Time, 4 fl. oz, minutes	D-2471			30

NOTE: These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Product Management Department.

RECOMMENDED CURE SCHEDULE

1. 77ºF (25ºC) at 7 days

TYPICAL CURED PROPERTIES*		**ASTM Method**	**Cure Value**
Density, lb./ft^3 (g/cm^3)		D-792	91 (1.46)
Cubic Inch per Pound		D-792	19.0
Hardness, Shore D		D-2240	90
Ultimate Flexural Strength, psi		D-790	6,500
Ultimate Tensile Strength, psi		D-638	3,500
Tg by DMA, E”, ºF(ºC)		D-4065	169 (76)
Deflection Temperature, ºF(ºC)	264 psi	D-648	235 (113)†
Ultimate Compressive Strength, psi		D-695	13,400
Izod Impact, notched, ft-lb./in		D-256	0.5
Coefficient of Thermal Expansion		D-3386	
-22 to 86ºF, in/in/ºF			25.6 x 10^{-6}
-30 to 30ºC, in/in/ºC			46.1 x 10^{-6}
Linear Shrinkage, in/in**		D-2566	0.002

* Tested @ 77ºF (25ºC) unless otherwise noted.
** Molds are half round steel, 10 inches long, 0.5 inches deep
† Value after postcure of 2 hours @ 200ºF (93ºC) plus 3 hours @ 325ºF (163ºC)

SAFETY: Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

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