

Glyptal Inc.

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PRODUCT DATA SHEET

Glyptal S Line

Epoxy and Resinour Reducer

DESCRIPTION

The Glyptal "S" line (S-1193, S-1194, S-1196, S-1300) are silicone epoxy baking systems that offer a wide array of functional properties on aluminum, magnesium, and steel substrates.

APPLICATION

Glyptal "S" Silicone Epoxy coatings include ovens, protective finishes on jet engine components (meets GE Aircraft Specification # F50TF3-S5), aircraft and marine surfaces, solar energy systems, and high-temperature automotive components. The coatings may be applied using conventional spray equipment.

PRODUCT DATA

Product	S-1193	S-1194	S-1196	S-1300	S-1195
Color (wet)	Gray	Clear	Aluminum	White	Reducer
Total Solids (%) vol.)	39	34	28	39	
Wt./gal. (lbs.) (ave.)	10.6	8.34	8.26	10.7	7.91
Vis. #4 FC (sec)	50-60	35-40		50-60	
Dry Coverage (ft ² /gal @ 1mil)	619	549	302	621	
Flash Point (CC °F)	76	72	76	76	92
Shelf life of unopened can 25 °C	1 year	1 year	1 year	1 year	2 years

TYPICAL PERFORMANCE PROPERTIES (spray-applied to aluminum, magnesium, and steel)

Product	S-1193	S-1194	S-1196	S-1300
CURE				
Flash time (min)	20	20	20	20
Bake Schedule (425 °F)	20-30	20-30	20-30	20-30
CURED FILM				
Gloss (60°)	90+	90+		90+
Pencil Hardness	4-5	4-5		4-5
Adhesion, crosshatch	100%	100%	100%	100%
CORROSION RESISTANCE				
5% Salt Fog: Hours	600	600	600	600
Fuel Oil Resistance	100%	100%	100%	100%
HIGH TEMP. RESISTANCE				
600 °F @ 200 h	No Failure	No Failure	No Failure	No Failure

SOLVENT RESISTANCE				
Ketones	No Failure	No Failure	No Failure	No Failure
Aromatics	No Failure	No Failure	No Failure	No Failure
Alcohols	No Failure	No Failure	No Failure	No Failure
Alaphatics	No Failure	No Failure	No Failure	No Failure
Glycol Ether	No Failure	No Failure	No Failure	No Failure
IMPACT STRENGTH				100 lbs.-Pass
FLEXIBILITY – MANDREL TEST				¼ in.- Pass

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