

# 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 <sup>2</sup> /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
<b>CURE</b>				
Flash time (min)	20	20	20	20
Bake Schedule (425 °F)	20-30	20-30	20-30	20-30
<b>CURED FILM</b>				
Gloss (60°)	90+	90+		90+
Pencil Hardness	4-5	4-5		4-5
Adhesion, crosshatch	100%	100%	100%	100%
<b>CORROSION RESISTANCE</b>				
5% Salt Fog: Hours	600	600	600	600
Fuel Oil Resistance	100%	100%	100%	100%
<b>HIGH TEMP. RESISTANCE</b>				
600 °F @ 200 h	No Failure	No Failure	No Failure	No Failure

<b>SOLVENT RESISTANCE</b>				
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
<b>IMPACT STRENGTH</b>				100 lbs.-Pass
<b>FLEXIBILITY – MANDREL TEST</b>				¼ in.- Pass

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