

Lord Adhesives Aeroglaze® 9743 Epoxy Primer/Tie-Coat

Category : Polymer , Thermoset , Epoxy

Material Notes:

Aeroglaze® 9743 is a two-part epoxy primer designed for use on aluminum, metal, and prepared composite surfaces. Aeroglaze 9743 primer/tie-coat can be applied to scuff-sanded urethane top coats and epoxy primers. It is also used as a tie coat between scuff sanded weather worn coatings and new urethane topcoats. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Aeroglaze-9743-Epoxy-PrimerTie-Coat.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	9700B
	1.31 g/cc	0.0473 lb/in ³	Mixed
	1.43 g/cc	0.0517 lb/in ³	9743A
Solids Content	57.7 %	57.7 %	9743A; by volume; ASTM D3278-82
	62.7 %	62.7 %	Mixed, by volume; ASTM D3278-82
	74 %	74 %	9743A; by weight; ASTM D3278-82
	75.2 %	75.2 %	Mixed, by weight; ASTM D3278-82
	77.8 %	77.8 %	9700B, by volume; ASTM D3278-82
	80.3 %	80.3 %	9700B, by weight; ASTM D3278-82
Volatile Organic Compounds (VOC) Content	180 g/l	180 g/l	9700B; ASTM D3960-89
	325 g/l	325 g/l	Mixed; ASTM D3960-89
	373 g/l	373 g/l	9743A; ASTM D3960-89
Viscosity Measurement	<= 30 @Temperature 25.0 °C	<= 30 @Temperature 77.0 °F	9743A; #4 Ford Cup (seconds); ASTM D1200
	<= 40 @Temperature 25.0 °C	<= 40 @Temperature 77.0 °F	Mixed; #4 Ford Cup (seconds); ASTM D1200
	61 @Temperature 25.0 °C	61 @Temperature 77.0 °F	9700B; #4 Ford Cup (seconds); ASTM D1200

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric $^{\circ}\text{C}$	English $^{\circ}\text{F}$	Comments
	≥ 26.3	≥ 79.3	9700B; Setaflash, Closed Cup; ASTM D3278-82

Processing Properties	Metric	English	Comments
Cure Time	≥ 300 min @Temperature 25.0 $^{\circ}\text{C}$	≥ 5.00 hour @Temperature 77.0 $^{\circ}\text{F}$	
Pot Life	240 min @Temperature 25.0 $^{\circ}\text{C}$	240 min @Temperature 77.0 $^{\circ}\text{F}$	
Shelf Life	6.00 Month @Temperature 21.0 - 27.0 $^{\circ}\text{C}$	6.00 Month @Temperature 69.8 - 80.6 $^{\circ}\text{F}$	9743A
	6.00 Month @Temperature 21.0 - 27.0 $^{\circ}\text{C}$	6.00 Month @Temperature 69.8 - 80.6 $^{\circ}\text{F}$	9700B

Descriptive Properties	Value	Comments
Appearance	Clear Amber	9700B
	Red	Mixed
	Red	9743A
Coating Film Dry Weight (gm/ft 2 /mil)	3.7	
Theoretical Coverage (ft 2 /gallon/mil)	1005.7	

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