

Lord Adhesives Aeroglaze® 9744 Epoxy Primer/Tie-Coat

Category : Polymer , Thermoset , Epoxy

Material Notes:

Aeroglaze® 9744 is a two-part epoxy primer designed for use on aluminum, metal, and prepared composite surfaces. Aeroglaze 9744 primer/tie-coat is 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-9744-Epoxy-PrimerTie-Coat.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	9700B
	1.33 g/cc	0.0480 lb/in ³	Mixed
	1.47 g/cc	0.0531 lb/in ³	9744A
Solids Content	59.9 %	59.9 %	9744A; by volume; ASTM D3278-82
	64.4 %	64.4 %	Mixed, by volume; ASTM D3278-82
	76 %	76 %	9744A; by weight; ASTM D3278-82
	76.8 %	76.8 %	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
	308.2 g/l	308.2 g/l	Mixed; ASTM D3960-89
	350.91 g/l	350.91 g/l	9744A; ASTM D3960-89
Viscosity Measurement	<= 31 @Temperature 25.0 °C	<= 31 @Temperature 77.0 °F	944A; #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 $^{\circ}\text{F}$	9744A
	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
	Dark Gray	Mixed
	Dark Gray	9744A
Coating Film Dry Weight (gm/ft 2 /mil)	3.73	
Theoretical Coverage (ft 2 /gallon/mil)	1033	

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