

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

Density 0.910 g/ce 0.0329 lb/inų 9700B Image: Properties of the	Physical Properties	Metric	English	Comments	
1.43 g/cc 0.0517 lb/inÅ3 9743A	Density	0.910 g/cc	0.0329 lb/in³	9700B	
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 % 9700B, by volume; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 180 g/l 9700B, by weight; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 9700B, by weight; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 9700B, by weight; ASTM D3960-89 325 g/l 325 g/l Mixed; ASTM D3960-89 Viscosity Measurement <= 30		1.31 g/cc	0.0473 lb/in³	Mixed	
62.7 % 62.7 % Mixed, by volume; ASTM D3278-82 74 % 74 % 74 % 9743A; by weight; ASTM D3278-82 75.2 % 75.2 % Mixed, by weight; ASTM D3278-82 77.8 % 9700B, by volume; ASTM D3278-82 80.3 % 80.3 % 9700B, by volume; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 180 g/l 9700B; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 325 g/l Mixed; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 180 g/l 9700B; #4 Ford Cup (seconds); ASTM D3960-89 Volatile Organic Compounds (VOC) 970		1.43 g/cc	0.0517 lb/in³	9743A	
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 % 9700B, by weight; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 180 g/l 9700B; ASTM D3960-89 Viscosity Measurement 325 g/l 325 g/l Mixed; ASTM D3960-89 Viscosity Measurement 625.0 @Temperature 77.0 Å*F 9743A; #4 Ford Cup (seconds); ASTM D1200 **A**C** 61 61 61 61 61 9700B; #4 Ford Cup (seconds); ASTM D1200 **Temperature 25.0 @Temperature 77.0 Å*F 9700B; #4 Ford Cup (seconds); ASTM D1200 **Temperature 25.0 @Temperature 77.0 Å*F 9700B; #4 Ford Cup (seconds); ASTM D1200 **Temperature 25.0 @Temperature 77.0 Å*F 9700B; #4 Ford Cup (seconds); ASTM D1200	Solids Content	57.7 %	57.7 %	9743A; by volume; ASTM D3278-82	
75.2 % 75.2 % Mixed, by weight; ASTM D3278-82 77.8 % 9700B, by volume; ASTM D3278-82 80.3 % 80.3 % 9700B, by weight; ASTM D3278-82 Volatile Organic Compounds (VOC) 180 g/l 180 g/l 9700B; ASTM D3960-89 2325 g/l 325 g/l Mixed; ASTM D3960-89 Viscosity Measurement 230 <= 30		62.7 %	62.7 %	Mixed, by volume; 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 D3960-89 180 g/l 325 g/l Mixed; ASTM D3960-89 325 g/l 325 g/l Mixed; ASTM D3960-89 4= 30		74 %	74 %	9743A; by weight; ASTM D3278-82	
Second		75.2 %	75.2 %	Mixed, by weight; ASTM D3278-82	
Volatile Organic Compounds (VOC) 180 g/l 180 g/l 9700B; ASTM D3960-89 325 g/l 325 g/l Mixed; ASTM D3960-89 4 373 g/l 373 g/l 9743A; ASTM D3960-89 4 30 4 30 4 30 4 30 4 30 4 30 4 40 4 40 4 40 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6		77.8 %	77.8 %	9700B, by volume; ASTM D3278-82	
Content 100 g/f 100 g		80.3 %	80.3 %	9700B, by weight; ASTM D3278-82	
373 g/l 373 g/l 9743A; ASTM D3960-89		180 g/l	180 g/l	9700B; ASTM D3960-89	
Viscosity Measurement <= 30		325 g/l	325 g/l	Mixed; ASTM D3960-89	
Viscosity Measurement @Temperature 25.0		373 g/l	373 g/l	9743A; ASTM D3960-89	
### Temperature 25.0	Viscosity Measurement	<= 30	<= 30		
@Temperature 25.0 @Temperature 77.0 °F Mixed; #4 Ford Cup (seconds); ASTM D1200 61 61 @Temperature 25.0 @Temperature 77.0 °F @Temperature 77.0 °F		@Temperature 25.0 °C	@Temperature 77.0 °F		
@Temperature 25.0		<= 40	<= 40	Mixed; #4 Ford Cup (seconds); ASTM	
9700B; #4 Ford Cup (seconds); ASTM @Temperature 25.0 OTemperature 77.0 ŰE			@Temperature 77.0 °F		
@Temperature 25.0		61	61		
			@Temperature 77.0 °F		

Thermal Properties Metric English Comments
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Thermal Properties	Metric ŰC	English ŰF	Comments aflash, Closed Cup; ASTM
	>= 26.3 °C	>= 79.3 °F	9700B; Setaflash, Closed Cup; ASTM D3278-82

Processing Properties	Metric	English	Comments
Cure Time	>= 300 min	>= 5.00 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	240 min	240 min	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	6.00 Month	6.00 Month	
Shelf Life	@Temperature 21.0 - 27.0 °C	@Temperature 69.8 - 80.6 °F	9743A
	6.00 Month	6.00 Month	
	@Temperature 21.0 - 27.0 °C	@Temperature 69.8 - 80.6 °F	9700B

Descriptive Properties	Value	Comments
Appearance	Clear Amber	9700B
	Red	Mixed
	Red	9743A
Coating Film Dry Weight (gm/ft²/mil)	3.7	
Theoretical Coverage (ft²/gallon/mil)	1005.7	

Contact Songhan Plastic Technology Co.,Ltd.

Website: www.lookpolymers.com Email: sales@lookpolymers.com

Tel: +86 021-51131842 Mobile: +86 13061808058 Skype: lookpolymers

Address: United North Road 215, Fengxian District, Shanghai City, China