

Lord Adhesives Aeroglaze® 9947 Wash Primer, Chromate-Free

Category : Fluid

Material Notes:

Aeroglaze® 9947 wash primer is designed for priming metal surfaces. It is particularly useful for priming nonferrous substrates such as aluminum and galvanized steel. Meets FDA Dry Bulk Food Regulation Title CFR, Paragraph 175.300. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Aeroglaze-9947-Wash-Primer-Chromate-Free.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	9947B; ASTM D1475-85
	1.00 g/cc	0.0361 lb/in ³	Mixed; ASTM D1475-85
	1.10 g/cc	0.0397 lb/in ³	9947A; ASTM D1475-85
Solids Content	0.82 %	0.82 %	9947B; by volume; ASTM D2369-87 Modified
	1.64 %	1.64 %	9947B; by weight; ASTM D2369-87 Modified
	12 %	12 %	Mixed; by volume; ASTM D2369-87 Modified
	22 %	22 %	Mixed; by weight; ASTM D2369-87 Modified
	22.4 %	22.4 %	9947A; by volume; ASTM D2369-87 Modified
	34 %	34 %	9947A; by weight; ASTM D2369-87 Modified
Volatile Organic Compounds (VOC) Content	682 g/l	682 g/l	9947A; ASTM D3960-87
	815 g/l	815 g/l	Mixed; ASTM D3960-87
	926 g/l	926 g/l	9947B; ASTM D3960-87
Brookfield Viscosity	400 cP	400 cP	ASTM D2196-66; LVT, Spindle #2 @ 30rpm
	3000 cP	3000 cP	ASTM D2196-66; LVT, Spindle #2 @ 30rpm
	10 cP @Temperature 25.0 °C	10 cP @Temperature 77.0 °F	ASTM D2196-66; LVT, Spindle #1 @ 60rpm
Viscosity Measurement	58 - 62	58 - 62	seconds; Zahn, #4 cup
	166 - 170	166 - 170	seconds; Zahn, #2 cup

Mechanical Properties	Metric	English	Comments
Impact Test	18.1 J	13.3 ft-lb	Direct; Gardner
	18.1 J	13.3 ft-lb	Reverse; Gardner

Thermal Properties	Metric	English	Comments
Flash Point	19.0 Â°C	66.2 Â°F	9947B; Setaflash, Closed Cup; ASTM D3278-82
	21.0 Â°C	69.8 Â°F	9947A; Setaflash, Closed Cup; ASTM D3278-82

Processing Properties	Metric	English	Comments
Dry Time	0.33 hour	0.33 hour	Set to touch; Gardner, Mechanical
	@Temperature 22.2 Â°C	@Temperature 72.0 Â°F	
	1.5 hour	1.5 hour	Surface Dry; Gardner, Mechanical
	@Temperature 22.2 Â°C	@Temperature 72.0 Â°F	
	2 hour	2 hour	Dry Hard; Gardner, Mechanical
	@Temperature 22.2 Â°C	@Temperature 72.0 Â°F	
Pot Life	120 - 180 min	120 - 180 min	Ready for topcoating
Shelf Life	12.0 Month	12.0 Month	9947B
	6.00 Month	6.00 Month	9947A
	@Temperature <=27.0 Â°C	@Temperature <=80.6 Â°F	

Descriptive Properties	Value	Comments
Appearance	Clear, colorless to straw	9947B
	Red	Mixed
	Red	9947A
Coating Film Dry Weight (gm/ftÂ²/mil)	4.41	
Conical Mandrel Bend	Passes 1/8"	ASTM D522
Mix Ratio	1:1	by volume
	8.9:7.9	by weight

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