

## Lord Adhesives Aeroglaze® M1433 Elastomeric Polyurethane Rain Erosion Coating

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Aeroglaze® M1433 elastomeric coating functions exceptionally well in abrasive environments. Inherent flexibility, corrosion resistance, and energy absorptive properties make Aeroglaze M1433 elastomeric coating highly suitable for protecting radomes, antennae, and leading edges of aircraft. Aeroglaze M1433 elastomeric coating is qualified to Military Specification MIL-C-85322. All information provided by Lord.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lord-Adhesives-Aeroglaze-M1433-Elastomeric-Polyurethane-Rain-Erosion-Coating.php](http://www.lookpolymers.com/polymer_Lord-Adhesives-Aeroglaze-M1433-Elastomeric-Polyurethane-Rain-Erosion-Coating.php)

Physical Properties	Metric	English	Comments
Density	0.800 g/cc	0.0289 lb/in <sup>3</sup>	M1433B; ASTM D1475-85
	0.980 g/cc	0.0354 lb/in <sup>3</sup>	Mixed; ASTM D1475-85
	1.04 g/cc	0.0376 lb/in <sup>3</sup>	M1433A; ASTM D1475-85
Solids Content	9.0 %	9.0 %	M1433B; by weight; ASTM D2369-87 Modified
	50 %	50 %	Mixed; by volume; ASTM D2369-87 Modified
	58 %	58 %	Mixed; by weight; ASTM D2369-87 Modified
	65 %	65 %	M1433A; by volume; ASTM D2369-87 Modified
	71 %	71 %	M1433A; by weight; ASTM D2369-87 Modified
Volatile Organic Compounds (VOC) Content	300 g/l	300 g/l	M1433A; ASTM D3960-87
	420 g/l	420 g/l	Mixed; ASTM D3960-87
	766 g/l	766 g/l	M1433B; ASTM D3960-87
Brookfield Viscosity	0.89 cP @Temperature 25.0 °C	0.89 cP @Temperature 77.0 °F	M1433B; typical of water thin materials; ASTM D2196-86; LVT
	200 - 600 cP @Temperature 25.0 °C	200 - 600 cP @Temperature 77.0 °F	Mixed; ASTM D2196-86; LVT, Spindle #3 @ 30rpm
	700 - 1500 cP @Temperature 25.0	700 - 1500 cP	M1433A; ASTM D2196-86; LVT, Spindle #4 @ 30rpm

Physical Properties	°C Metric	@Temperature 77.0 °F English	Comments
Thermal Properties	Metric	English	Comments
Flash Point	18.9 °C	66.0 °F	M1433A; Setaflash, Closed Cup; ASTM D3278-82
	43.3 °C	110 °F	M1433B; Setaflash, Closed Cup; ASTM D3278-82

Processing Properties	Metric	English	Comments
Cure Time	240 - 360 min @Temperature 23.0 °C	4.00 - 6.00 hour @Temperature 73.4 °F	
Pot Life	120 min	120 min	
Shelf Life	6.00 Month @Temperature 15.6 °C	6.00 Month @Temperature 60.1 °F	

Descriptive Properties	Value	Comments
Coating Film Dry Weight (gm/ft <sup>2</sup> /mil)	2.69	
Mix Ratio	3.7:1	by weight
	3:1	by volume

## Contact Songhan Plastic Technology Co.,Ltd.

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