

Aremco Corr-Paint™ CP4070 High Temperature Protective Coating Silicone, Aluminum Filled

Category : Other Engineering Material , Ceramic/Metallic Coating , Polymer , Thermoset , Silicone

Material Notes:

This silicone-based, heat resistant coatings are formulated using a state-of-the-art, VOC-compliant, water-dispersible silicone resin. CP4000 adheres to metals, ceramics, refractories, and quartz, and offer outstanding resistance to outdoor weathering, UV light, salt spray, chemical corrosion, thermal cycling, and temperatures to 1100 °F.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Corr-Paint-CP4070-High-Temperature-Protective-Coating-Silicone-Aluminum-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	
Solids Content	38.5 %	38.5 %	by volume
	44.8 %	44.8 %	by weight
Volatile Organic Compounds (VOC) Content	121 g/l	121 g/l	
Viscosity	300 - 600 cP	300 - 600 cP	
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	66.0 microns	2.60 mil	estimated wet film thickness
Storage Temperature	12.8 - 29.4 °C	55.0 - 85.0 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	593 °C	1100 °F	
Flash Point	>= 100 °C	>= 212 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	10.0 - 48.9 °C	50.0 - 120 °F	Application Temperature
Dry Time	1.00 - 2.00 hour	1.00 - 2.00 hour	Touch
	2.00 - 4.00 hour	2.00 - 4.00 hour	Handling
	1.0 - 24.0 hour	1.0 - 24.0 hour	Recoat
Cure Time	>= 60.0 min	>= 1.00 hour	Air Set prior to curing
	45.0 min @Temperature 249 °C	0.750 hour @Temperature 480 °F	

Processing Properties	Metric	English	Comments
	60.0 min @Temperature 232 °C	1.00 hour @Temperature 450 °F	Adequate ventilation is required when curing these products. Outgassing will occur above 300°F and cease after 750°F. An additional 30 minutes is required at the highest service temperature if service temperature is below 750°F.
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Color	Blue	
Dry Film Coverage ft ² /gal	617	at 1 mil
Primer	Not Required	
Thinner	Water	

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