

Aremco Corr-Paint™ CP4000 High Temperature Protective Silicone Coating, Metal Oxide 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-CP4000-High-Temperature-Protective-Silicone-Coating-Metal-Oxide-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	
Solids Content	38.1 %	38.1 %	volume
	51.5 %	51.5 %	weight
Volatile Organic Compounds (VOC) Content	125 g/l	125 g/l	
Viscosity	400 - 800 cP	400 - 800 cP	Mixed Viscosity
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
	1.00 - 24.0 hour	1.00 - 24.0 hour	Recoat
Cure Time	45.0 min @Temperature 249 °C	0.750 hour @Temperature 480 °F	>1 Hour Air Set Required Prior to Curing
	60.0 min	1.00 hour	>1 Hour Air Set Required Prior to

Processing Properties	Metric @ Temperature 232 °C	English @ Temperature 450 °F	Curing Comments
Shelf Life	6.00 Month @Temperature 23.0 °C	6.00 Month @Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color	Flat Black	
Dry Film Coverage ft2/gal	611	at 1 mil
Primer	Not Required	recommended for exterior applications in which salt fog or moisture are present
Thinner	Distilled Water	

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