

Aremco Corr-Paint™ CP4040-S High Temperature Protective Coating Silicone-Polyester

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Corr-Paint-CP4040-S-High-Temperature-Protective-Coating-Silicone-Polyester.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	
Solids Content	42.1 %	42.1 %	by weight
	49.2 %	49.2 %	by volume
Volatile Organic Compounds (VOC) Content	407 g/l	407 g/l	
Viscosity	300 - 500 cP	300 - 500 cP	
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	51.6 microns	2.03 mil	estimated wet film thickness
Storage Temperature	4.44 - 32.2 °C	40.0 - 90.0 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	316 °C	600 °F	Continuous
	427 °C	800 °F	Intermittent
Flash Point	46.1 °C	115 °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	0.750 hour	
	@Temperature 249 °C	@Temperature 480 °F	
Adequate ventilation is required when			

Processing Properties	Metric	English	Comments
	@Temperature 232 °C	@Temperature 450 °F	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	White	
Dry Film Coverage ft ² /gal	789.7	at 1 mil
Primer	Not Required	
Thinner	PM Acetate	

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