

Aremco Corr-Paint™ CP2060 High Temperature Protective Coating Novolac-Epoxy, Silicon Carbide Filled

Category : Other Engineering Material , Ceramic/Metallic Coating , Polymer , Thermoset , Epoxy , Epoxy, High Temperature

Material Notes:

This epoxy and urethane based coating is used for producing corrosion and wear resistant barriers to 500 °F. Typical applications include tanks, pipelines, boilers, precipitators, scrubbers, bag houses, cyclones, hoppers and other process equipment used in the power, pulp and paper, and chemical processing industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Corr-Paint-CP2060-High-Temperature-Protective-Coating-Novolac-Epoxy-Silicon-Carbide-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.90 g/cc	1.90 g/cc	
Solids Content	100 %	100 %	weight
	100 %	100 %	volume
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Thickness	>= 1270 microns	>= 50.0 mil	estimated wet film thickness
	>= 1270 microns	>= 50.0 mil	recommended dry film thickness
Storage Temperature	4.44 - 32.2 °C	40.0 - 90.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	for Epoxy Coating
Elongation at Break	2.0 %	2.0 %	for Epoxy Coating
Flexural Strength	79.3 MPa	11500 psi	for Epoxy Coating
Compressive Strength	82.7 MPa	12000 psi	for Epoxy Coating
Adhesive Bond Strength	6.21 MPa	900 psi	Lap Shear Strength vs. Aluminum
	@Temperature 175 °C	@Temperature 347 °F	
	8.27 MPa	1200 psi	Lap Shear Strength vs. Aluminum
	@Temperature 150 °C	@Temperature 302 °F	
	13.8 MPa	2000 psi	Lap Shear Strength vs. Aluminum
	@Temperature 100 °C	@Temperature 212 °F	
	15.9 MPa	2300 psi	Lap Shear Strength vs. Aluminum

Mechanical Properties	@Temperature 25.0 °C Metric	@Temperature 77.0 °F English	Comments
Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Flash Point	>= 93.3 °C	>= 200 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	10.0 - 32.2 °C	50.0 - 90.0 °F	Application Temperature
Dry Time	4.00 hour	4.00 hour	Touch
	4.00 - 8.00 hour	4.00 - 8.00 hour	Recoat
	6.00 - 8.00 hour	6.00 - 8.00 hour	Handling
Cure Time	360 min @Temperature 121 °C	6.00 hour @Temperature 250 °F	>8 Hour Air Set Required Prior to Curing
	2880 min @Temperature 22.2 °C	48.0 hour @Temperature 72.0 °F	>8 Hour Air Set Required Prior to Curing
Pot Life	45.0 min @Temperature 23.0 °C	45.0 min @Temperature 73.4 °F	
Shelf Life	12.0 Month @Temperature 23.0 °C	12.0 Month @Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color	Gray	
Dry Film Coverage ft ² /gal	1604	at 1 mil
Mix Ratio By Weight	100:8	Novolac:Epoxy
Mixed Viscosity	Paste	
Primer	Not Required or Recommended	
Thinner	Not Required or Recommended	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China