

Aremco HiE-Coat™ 840-CM High Emissivity Coating, Inorganic-Ceramic Filled

Category : Ceramic , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Ceramic-based, black-pigmented coating for dense refractories to 2500°F (1371°C) and stainless steel to 900°F (482°C)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-HiE-Coat-840-CM-High-Emissivity-Coating-Inorganic-Ceramic-Filled.php

Physical Properties	Metric	English	Comments
Density	>= 1.54 g/cc	>= 0.0556 lb/in ³	
Solids Content	19.9 %	19.9 %	by volume
	48.0 %	48.0 %	by weight
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	600 - 800 cP	600 - 800 cP	
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	128 microns	5.03 mil	estimated wet film thickness
Storage Temperature	55.0 - 85.0 °C	131 - 185 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	482 °C	900 °F	Stainless
	1370 °C	2500 °F	Ceramics

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Cure Time	30.0 min @Temperature 93.3 °C	0.500 hour @Temperature 200 °F	Step 1, preceeded by 1 hour air set
	60.0 min @Temperature 260 °C	1.00 hour @Temperature 500 °F	Step 2
Shelf Life	6.00 Month @Temperature 12.8 - 29.4 °C	6.00 Month @Temperature 55.0 - 85.0 °F	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Jet Black Value	Comments
Dry Film Coverage ft2/gal	319	at 1 mil
Thinner	840CM-T	

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