

Aremco Corr-Paint™ CP4070-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-CP4070-S-High-Temperature-Protective-Coating-Silicone-Polyester.php

| Physical Properties | Metric | English | Comments |
|--|----------------|----------------|--------------------------------|
| Specific Gravity | 1.43 g/cc | 1.43 g/cc | |
| Solids Content | 59 % | 59 % | by Volume |
| | 62.1 % | 62.1 % | by Weight |
| Volatile Organic Compounds (VOC) Content | 431 g/l | 431 g/l | |
| Viscosity | 150 - 250 cP | 150 - 250 cP | |
| Thickness | 25.4 microns | 1.00 mil | recommended dry film thickness |
| | 42.9 microns | 1.69 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 |
| | 1.00 - 24.0 hour | 1.00 - 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 | |
| | 60.0 min | 1.00 hour | |

| Processing Properties | Metric @ Temperature 232 °C | English @ Temperature 450 °F | Comments |
|-----------------------|--------------------------------|---------------------------------|----------|
| Shelf Life | 6.00 Month | 6.00 Month | |

| Descriptive Properties | Value | Comments |
|--|--------------|----------|
| Color | Blue | |
| Dry Film Coverage ft ² /gal | 946.7 | at 1 mil |
| Primer | Not Required | |
| Thinner | PM Acetate | |

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