

## Aremco Corr-Paint™ CP4080 High Temperature Protective Coating Silicone, Aluminum 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-CP4080-High-Temperature-Protective-Coating-Silicone-Aluminum-Filled.php](http://www.lookpolymers.com/polymer_Aremco-Corr-Paint-CP4080-High-Temperature-Protective-Coating-Silicone-Aluminum-Filled.php)

| Physical Properties                      | Metric         | English        | Comments                       |
|------------------------------------------|----------------|----------------|--------------------------------|
| Specific Gravity                         | 1.33 g/cc      | 1.33 g/cc      |                                |
| Solids Content                           | 38 %           | 38 %           | by volume                      |
|                                          | 47 %           | 47 %           | by weight                      |
| Volatile Organic Compounds (VOC) Content | 114 g/l        | 114 g/l        |                                |
| Viscosity                                | 500 - 700 cP   | 500 - 700 cP   |                                |
| 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                |
|                        | 1.0 - 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 |                         |

| Processing Properties | Metric              | English             | Comments                                                                                                                                                                                                                             |
|-----------------------|---------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 60.0 min            | 1.00 hour           | Adequate ventilation is required when 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. |
|                       | @Temperature 232 °C | @Temperature 450 °F |                                                                                                                                                                                                                                      |
| Shelf Life            | 6.00 Month          | 6.00 Month          |                                                                                                                                                                                                                                      |

| Descriptive Properties                 | Value           | Comments |
|----------------------------------------|-----------------|----------|
| Color                                  | Yellow          |          |
| Dry Film Coverage ft <sup>2</sup> /gal | 610             | at 1 mil |
| Primer                                 | Not Required    |          |
| Thinner                                | Distilled Water |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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