

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

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

### Material Notes:

Ceramic-based, black-pigmented coating for ceramic fiber modules and refractories to 2500°F (1371°C)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-HiE-Coat-840-C-High-Emissivity-Coating-Inorganic-Ceramic-Filled.php](http://www.lookpolymers.com/polymer_Aremco-HiE-Coat-840-C-High-Emissivity-Coating-Inorganic-Ceramic-Filled.php)

| Physical Properties                      | Metric         | English                      | Comments                       |
|------------------------------------------|----------------|------------------------------|--------------------------------|
| Density                                  | >= 1.60 g/cc   | >= 0.0578 lb/in <sup>3</sup> |                                |
| Solids Content                           | 27.3 %         | 27.3 %                       | by volume                      |
|                                          | 58.5 %         | 58.5 %                       | by weight                      |
| Volatile Organic Compounds (VOC) Content | 0.000 g/l      | 0.000 g/l                    |                                |
| Viscosity                                | 70.0 - 160 cP  | 70.0 - 160 cP                |                                |
| Thickness                                | 25.4 microns   | 1.00 mil                     | recommended dry film thickness |
|                                          | 93.0 microns   | 3.66 mil                     | estimated wet film thickness   |
| Storage Temperature                      | 55.0 - 89.0 °C | 131 - 192 °F                 |                                |

| Thermal Properties               | Metric  | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 1370 °C | 2500 °F |          |

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

| Descriptive Properties                 | Value     | Comments |
|----------------------------------------|-----------|----------|
| Color                                  | Jet Black |          |
| Dry Film Coverage ft <sup>2</sup> /gal | 438       | at 1 mil |
| Thinner                                | 840C-T    |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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