

## Aremco Ceramacoat™ 845-BLU High Temperature Ceramic-Inorganic Coating

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

### Material Notes:

Single part, waterborne, silicon-filled, phosphate-bonded, blue coating for glass and quartz to 2000 °F (1093 °C). Primarily used for marking ceramic parts and coating automotive headlamps, stadium lighting and quartz vessels for the semiconductor industry. Standard viscosity is 200–400 cP; a higher viscosity coating, 845-HV, in the range of 500–800 cP is available upon request.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramacoat-845-BLU-High-Temperature-Ceramic-Inorganic-Coating.php](http://www.lookpolymers.com/polymer_Aremco-Ceramacoat-845-BLU-High-Temperature-Ceramic-Inorganic-Coating.php)

| Physical Properties                      | Metric         | English        | Comments                       |
|------------------------------------------|----------------|----------------|--------------------------------|
| Specific Gravity                         | 1.64 g/cc      | 1.64 g/cc      |                                |
| Solids Content                           | 23.6 %         | 23.6 %         | by volume                      |
|                                          | 50.9 %         | 50.9 %         | by weight                      |
| Volatile Organic Compounds (VOC) Content | 0.00 g/l       | 0.00 g/l       |                                |
| Viscosity                                | 500 - 1000 cP  | 500 - 1000 cP  |                                |
| Thickness                                | 25.4 microns   | 1.00 mil       | recommended dry film thickness |
|                                          | 108 microns    | 4.24 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 | 816 °C | 1500 °F | Continuous |

| Processing Properties  | Metric               | English             | Comments                              |
|------------------------|----------------------|---------------------|---------------------------------------|
| Processing Temperature | 10.0 - 32.2 °C       | 50.0 - 90.0 °F      | Application Temperature               |
| Cure Time              | 5.00 min             | 0.0833 hour         | Step 2                                |
|                        | @Temperature 482 °C  | @Temperature 900 °F |                                       |
|                        | 10.0 min             | 0.167 hour          | Step 1, preceeded by >10 min. air set |
|                        | @Temperature 93.3 °C | @Temperature 200 °F |                                       |
| Shelf Life             | 6.00 Month           | 6.00 Month          |                                       |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Blue  | Cured    |

| Dry Film Coverage ft <sup>2</sup> /gal<br>Descriptive Properties |  | 378<br>Value | at 1 mil<br>Comments |
|------------------------------------------------------------------|--|--------------|----------------------|
| Thinner                                                          |  | 845-T        |                      |

**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