

### PRODUCT DESCRIPTION

The Cerakote™ **C-Series Performance** Ambient Cure Ceramic Coatings are designed to protect both metal and non-metal substrates. Additionally, **C-186 Piston Coat** is formulated to withstand extreme use temperatures (>2,000°F) without discoloring. This makes the coating ideal for exhausts, pistons, engines and other components for high-temperature systems.

**C-Series Performance** Ambient Cure Ceramic coatings maintain excellent adhesion even after repeated thermal cycling. These coatings provide superior protection against corrosive environments and thermal shock.

In addition to performance, the **C-Series Performance** Ambient Cure Ceramic products are designed for ease of application. Each product is VOC-exempt and cures quickly at room temperature.

Cure Schedule (Ambient Temperature):

Tack free at 40 minutes  
Dry after 24 hours  
100% cure after 5 days

**C-Series Performance** Ambient Cure Ceramic Coatings are currently available in several metallic and non-metallic finishes and different gloss levels. Visit [www.nicindustries.com](http://www.nicindustries.com) to view a complete color chart.

**Cerakote™ C-Series Performance Ambient Cure Ceramic Coatings are recommended for engine components, high-temperature applications, and exhaust systems. Contact a Cerakote™ sales representative to determine which coating is appropriate for your application.**

### C-186 Piston Coat

Gloss Level	Velvet; 6.9 Gloss Units at 60°
Theoretical Solids by Weight	74% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	1,187 ft <sup>2</sup>
Viscosity (Brookfield Viscometer)	45.19 cP
Recommended Film Thickness	1.0 mil
5% Salt Spray (ASTM B117)	478 hours
Pencil Hardness (ASTM D3363)	9h
Scratch Hardness (ASTM D3363)	9h
Adhesion Cross-Cut Tape (ASTM D3359)	5B
Mandrel Bend (ASTM D522)	3 mm coating loss at 180° rotation
Impact (ASTM D2794)	24/8 inch-lbs
Thermal Emissivity	0.84
Density	1.54

### SHELF LIFE: 12 MONTHS FROM DATE OF SHIPMENT.

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The information contained in this bulletin we believe to be correct to the best of our knowledge and testing. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that you make adequate tests in your laboratory or plant to determine if this product meets all your requirements.