

CERAKOTE™ · A division of NIC Industries, Inc. 7050 Sixth Street, White City, OR 97503  
Phone: 541-826-1922 / Fax 541-826-6372 / [www.nicindustries.com](http://www.nicindustries.com)

## PRODUCT DESCRIPTION

The Cerakote™ **C-Series** Ambient-Cure Ceramic Coatings are designed to protect both metal and non-metal substrates. Additionally, the **C-Series** Ambient-Cure Ceramic Coatings are formulated to withstand extreme temperatures (~1200°F) without discoloring. This makes the coating ideal for exhausts, pistons and other components for high-temperature systems. **C-Series** 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** 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 5days

**C-Series** 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 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	Matte; 2.7 Gloss Units at 60°
Theoretical Solids by Weight	74% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	1180 ft <sup>2</sup>
Viscosity #2 Zahn Cup	15 seconds
Recommended Film Thickness	1.0 mil
5% Salt Spray (ASTM B117)	N/A
Pencil Hardness (ASTM D3363)	9h
Scratch Hardness (ASTM D3363)	5h
Adhesion Cross-Cut Tape (ASTM D3359)	5b
Mandrel Bend (ASTM D522)	4 mm coating loss at 180° rotation
Impact (ASTM D2794)	40/20 inch-lbs

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

NIC Industries, Inc. does not warranty the use or application of the materials it manufactures or supplies. Our only obligation shall be to replace any defective materials supplied by us or refund the original purchase price of that product after we have determined the product to be defective. We assume no liability for damages of any kind and the user accepts the product "as is" and without any warranties, expressed or implied. The suitability of the product and/or intended use shall be solely the responsibility of the user.

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.