

### PRODUCT DESCRIPTION

The Cerakote™ **C-Series High Temperature Ambient Cure Coatings** are designed to protect both metal and non-metal substrates. Additionally, **C-105 Titanium** is formulated to withstand high use temperatures (~1600°F) without discoloring. This makes the coating ideal for exhausts and other components for high-temperature systems.

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

### C-105 Titanium

Gloss Level	Traditional Matte; 4.1 Gloss Units at 60°
Theoretical Solids by Weight	43% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	686 ft <sup>2</sup>
Viscosity (Brookfield Viscometer #61/100)	15.42 cP
Recommended Film Thickness	1.0 mil
5% Salt Spray (ASTM B117)	225 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)	48/32 inch-lbs
Thermal Emissivity	0.77
Density (g/mL)	1.34

### 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.