

### PRODUCT DESCRIPTION

The Cerakote™ **C-Series Firearm Ambient Cure Ceramic Coatings** are designed to protect both metal and non-metal substrates. Additionally, **C-245 Smith's Brown** is formulated to withstand use temperatures of up to 1,200 °F without discoloring. This makes the coating ideal for mid-temperature systems and firearm applications.

**C-Series Firearm 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 Firearm 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 Firearm 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 Firearm Ambient Cure Ceramic Coatings are recommended for mid-range temperature systems and firearm applications. Contact a Cerakote™ sales representative to determine which coating is appropriate for your application.**

### C-245 Smith's Brown

Gloss Level	Traditional Matte; 3.3 Gloss Units at 60°
Theoretical Solids by Weight	30% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	484 ft <sup>2</sup>
Viscosity (Brookfield Viscometer #62/100)	123.25 cP
Recommended Film Thickness	1.0 mil
5% Salt Spray (ASTM B117)	364 hrs
Pencil Hardness (ASTM D3363)	6h
Scratch Hardness (ASTM D3363)	6h
Adhesion Cross-Cut Tape (ASTM D3359)	3B
Mandrel Bend (ASTM D522)	10 mm coating loss at 180° rotation
Impact (ASTM D2794)	44/4 inch-lbs
Thermal Emissivity	0.82
Density (g/mL)	1.23

**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.