

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 to view a complete color chart.

Recommended applications include, but are not limited to: Firearms, knives, tools, eye wear, consumer electronics, wearables, valves, sporting and athletic equipment, robotics, audio equipment, fresh and salt water applications and any other application requiring a tough and durable performance coating.

C-190 20150

Gloss Category at 60°	Satin, 21-35 Gloss Units
Theoretical Solids by Weight	48% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	1011 ft ²
Viscosity (Brookfield Viscometer)	60 cP
Recommended Film Thickness	0.5 mil to 2.0 mils
5% Salt Spray at 2 mils (ASTM B117)	TBD hours
Gouge Hardness (ASTM D3363)	6h
Scratch Hardness (ASTM D3363)	5h
Thermal Emissivity	NA
Adhesion Cross-Cut Tape (ASTM D3359)	4b
Mandrel Bend (ASTM D522)	0 mm loss with 180 degree rotation
Impact (ASTM D2794)	60/20 inch-lbs
Liquid Density (g/mL)	1.38

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