

HC2 - MICRO SLICK CERAMIC COATING

PRODUCT DESCRIPTION

The **Helix®** C-Series Performance Ambient Cure Ceramic Coatings are designed to protect both metal and non-metal substrates. Additionally, **HC2 Micro Slick** 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.

Helix® 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 **Helix®** 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

Helix® C-Series Performance Ambient Cure Ceramic Coatings are currently available in several metallic and non-metallic finishes and different gloss levels.

HC2 Micro Slick

Gloss Level	Traditional Eggshell; 22.7 Gloss Units at 60° 22% +/- 2%
Theoretical Solids by Weight	346 ft ²
Theoretical Coverage per gallon at 1.0 mil Recommended Film Thickness	0.25 mils
5% Salt Spray (ASTM B117)	26 hours 9h
Pencil Hardness (ASTM D3363)	9h
Scratch Hardness (ASTM D3363)	3B
Adhesion Cross-Cut Tape (ASTM D3359) Mandrel Bend (ASTM D522)	2 mm coating loss at 180o rotation 40/80 inch-lbs
Impact (ASTM D2794)	0.85
Thermal Emissivity	1.13
Density (g/mL)	0.167
Dynamic Coefficient of Friction (ASTM D1894)	

SHELF LIFE: 12 MONTHS FROM DATE OF SHIPMENT.

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