CERAKOTE

Product Specifications
Sku: H-140
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Cure Schedule	Ambient Flash 15 Minutes, Oven Cure 2 Hours @ 250°F
Recommended Thickness (mil)	2
Strainer Size (mesh)	150 (Part # SE-276)
Gloss Level / Units (GU)	Matte / 7
Density (g/mL)	1.45
% Solids (±2%)	38
Viscosity (cP)	120
Theoretical Coverage per gal @ Recommended Mil Thickness (ft^2)	301
Coating Stability (°F) Max. Temp.	500°F
Color Stability (°F) Max. Temp.	250°F
Chemical Resistance	Excellent
UV Stability	Fair
Corrosion Resistance (Hrs) ASTM B117	2000+
Pencil Hardness Gouge ASTM D3363	9H
Pencil Hardness Scratch ASTM D3363	8H
Crosscut Adhesion ASTM D3359	5B
Flexibility (% Resistance) Conical Mandrel Bend ASTM D522	100
Impact Performance Direct/Indirect (in-lbs.) ASTM D2794	160/160

All results based on blasted steel coated at recommended mil thickness using recommended cure schedule.

*Gloss levels are measured at a 60° angle. Adjustments to recommended conditions will yield different results. Gloss is affected by quality of preparation and spray technique. Results are based on coated blasted steel cured following the Cure Schedule specification.

**Viscosity measured under ambient conditions (air temperature, relative humidity) at the time of manufacture.

¶Recommended Cure Temperature:

- Please reference the Cure Schedule specification available on each Cerakote product.

Maximum Temperature is the temperature to which the color or coating is stable.

‡Chemical Resistance Testing: Results refer to color change based on CIE76 formulation. Results range from:

- **Excellent:** ∆E change of <2.5
- **Good:** ∆E change of <3.0
- **Fair:** ∆E change of <3.5
- **Poor:** ∆E change of <4.0

†Testing parameters are as follows:

- **Hardness** or Pencil Hardness Tests are measured from softest to hardest as follows: 9B, 8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, H, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H. 9H is the hardest.
- **SG-100 ONLY:** Hardness test Method A — An X-cut is made through the film to the substrate, pressure-sensitive tape is applied over the cut and then removed, and adhesion is assessed qualitatively on a 0 to 5 scale.
- **Adhesion** is measured on a scale of 0B, 1B, 2B, 3B, 4B, 5B, with 5B being the highest achievable rating.
- **Flexibility** or Conical Mandrel Bend: “100% Resistance” is the highest achievable rating and indicates that the coating did not crack or spall.
- **Impact Performance (Direct/Indirect)** is measured on a scale of 0 inch-lbs. to 160 inch-lbs., with 160 inch-lbs. being the highest achievable rating.

All Cerakote coatings are VOC compliant under the EPA and have low to no VOC content. To find out the VOC content of an individual coating, please contact sds@nicindustries.com for more information.

This information is accurate to the best of our knowledge, however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. We recommend that you perform adequate tests in your facility to determine if this product meets all of your requirements.

Please feel free to email us at info@cerakote.com or call us at 1-866-774-7628 if you have any questions.