

**Cerakote® V-Series** High Temperature Ceramic Coatings are designed to protect metal substrates in high temperature applications. **Cerakote V-Series** High Temperature products are practical, performance-based coatings intended for exhaust systems and engine components. Additionally, **Cerakote V-Series** coatings are durable, resistant to thermal shock and designed to withstand extreme use temperatures (1,800°F). **V-Series** High Temperature Ceramic Coatings are quickly oven cured for maximum turnover.

**Cure Schedule:**  
500°F for 1 hour

**Cerakote V-Series** are available in several metallic and non-metallic finishes and different gloss levels. Visit [www.cerakote.com](http://www.cerakote.com) to view a complete color chart.

**Contact a Cerakote sales representative to determine which coating is appropriate for your application.**

## V-171 TURBINE COAT

Gloss Level*	5 Gloss Units at 60°
Theoretical Solids by Weight	59% ±2%
Theoretical Coverage per gallon at 1.0 mil	946 ft <sup>2</sup>
Viscosity	35 cP
Recommended Film Thickness	1 - 2 mil
5% Salt Spray (ASTM B117)	TBD
Pencil Hardness (ASTM D3363)	9H
Scratch Hardness (ASTM D3363)	8H
Adhesion Cross-Cut Tape (ASTM D3359)	5B
Mandrel Bend (ASTM D522)	99% Resistance
Impact (ASTM D2794)	80/80 inch-lbs
Density (g/mL)	1.33 g/mL
Strainer Size	100

\*Results based on coated blasted steel cured at 500°F for 1 hour.

### 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.

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](mailto:sds@nicindustries.com) for more information.

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.