

H-SERIES PRODUCT DESCRIPTION

The World's leading thin film coating. **Cerakote® H-Series** is a line of ceramic-polymer hybrid coatings designed to provide unmatched performance with an attractive and desirable finish.

Cerakote® H-Series coatings provide exceptional corrosion protection, hardness, adhesion, flexibility, impact, chemical and wear resistance. These industry leading performance characteristics are all achieved at low film thickness, making H-Series an ideal surface finish for a wide range of applications, especially those with tight tolerance requirements. **Cerakote® H-Series** is compatible with a wide variety of substrate materials,

Cerakote® H-Series coatings are a two-component, easy-to-apply, oven cure system that are VOC exempt in all 50 States.¹ In addition to industry leading performance, these coatings have one of the lowest cost per square foot of any comparable coating on the market.

Cerakote® H-Series coatings are available in over 100 colors, many with adjustable gloss levels to suit your requirements. Most H-Series coatings can be mixed together to create unlimited custom colors and shades.

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

H-280 Multi-Regional Earth

(1:18 Catalyst Ratio)

Gloss Category at 60°	Flat, 0-6 Gloss Units
Theoretical Solids by Weight	33.5% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	537.02 ft²
Viscosity (Brookfield Viscometer)	97.8 cP
Recommended Film Thickness	0.5 mil to 2.0 mils
Dynamic CoF over SS (ASTM D1984)	TBD
5% Salt Spray at 2 mils (ASTM B117)	TBD hours
Gouge Hardness (ASTM D3363)	8h
Scratch Hardness (ASTM D3363)	8h
TQC Pen Hardness (ISO 1518)	9 (Newtons, 1mm tip)
Adhesion Cross-Cut Tape (ASTM D3359)	5b
Mandrel Bend (ASTM D522)	1 mm loss with 180° rotation
Impact (ASTM D2794)	140/140 inch-lbs
Liquid Density (g/mL)	1.45

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.

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.

1. Refer to product specific SDS and your local, state and federal regulations to ensure VOC compliance.

Revised: 12/13/2016