

# ENDURO-BOND™

## ENDURO-BOND™ Features:

- Coating thickness from 1 - 4 mil
- High heat resistance to 800°F (427°C)
- Superior to plastics, epoxies, and ceramics
- Thermal stability
- Chemical resistance
- Ductility and flexibility
- Impact and abrasion resistance
- FDA approved
- Passivates metal surface

## ENDURO-BOND™ Coating Properties

- Exceptional ductility and flexibility
- Thermally stable through a wide range of temperatures
- Proprietary application provides superior impact and abrasion resistance
- Provides a barrier that protects metal surfaces against corrosion and abrasive wear, thereby retarding chemical reactions which are responsible for the destructive loss of metal

## ENDURO-BOND™ Coating Benefits

- Controlled application thickness allows threads to be coated
- Provides a tough hard surface to aid in the prevention of solids deposition
- Offers a cost effective alternative to all stainless products
- Field tested and proven to provide long term protection against corrosion in the toughest field conditions

## TYPICAL PROPERTIES OF ENDURO-BOND™ COATINGS\*

- |   |           |
|---|-----------|
| • Hardness, Pencil                        | 2H        |
| • Hardness, Arco Microknife, g(1)         | 500       |
| • Adhesion, Arco Microknife, mils(2)      | 5         |
| • Mandrel Bend, 180° - 3/16 in. (4.76 mm) | Pass      |
| • Elongation, ASTM, D522, %               | >32       |
| • Reverse Impact, in.-lbs;                | 160       |
| • Abrasion Resistance, Taber mg.          |           |
| • Loss/100 rev., CS-17 wheel              | 50        |
| • Contact Angle(3), Water                 | 82°       |
| • Contact Angle(3), Wesson Oil            | 41°       |
| • Chemical Resistance                     | Excellent |
| • Thermal Stability                       | Excellent |

(1) ASTM D2197 Measured on 1 mil coatings

(2) ASTM D2197 Measured on aluminum coupons grit blasted before coating. (Coating thickness, 1 mil)

(3) Measured with a Rame-Hart Model A-100 Goniometer

\* The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore, should not be used for specification purposes.

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