

DRESSER DPS - Product Submittal

Product Coating - ALCLAD™ E-COAT 010

BLACK thermoset epoxy applied by electrophoretic deposition

AL-CLAD™ E-Coat 010 is a thermosetting, thin film epoxy coating material pigmented to a rich black color. The coating material is non-toxic, and bonds to a clean metal surface. It provides corrosion resistance during storage and shipment, and for some application areas it provides adequate protection as a finish coat.

E-Coat 010 coating has outstanding physical properties and can be utilized in many piping system applications due to such features as:

- Excellent disbondment resistance in cathodically protected systems
- Resistant to soil stress and fungi
- High impact resistance
- Excellent adhesion
- Capable of use on threaded fasteners

Typical properties of AL-CLAD E-Coat 010 coating, obtained under laboratory controlled conditions and utilizing laboratory prepared samples are given below:

| PROPERTY | SPECIFICATION | CHARACTERISTICS |
|---------------------------------------|---------------|------------------------------------|
| Color and Gloss | - | AL-CLAD Black |
| Coating Thickness | ASTM G12 | 0.5 - 0.9 Mils |
| Hardness | Pencil | 4H |
| Direct Impact 72°F | ASTM D2794 | 40-60 in./lbs. @ 0.9 Mils |
| Adhesion (Crosshatch) | - | Excellent |
| Weather-ometer | ASTM E42 | 2000 Hrs. Surface Chalking Only |
| Salt Spray Resistance Scored Panel | ASTM B117 | 335-500 Hrs. No Undercutting |
| Water Absorption | ASTM D570 | 1.0% |
| Salt Spray | ASTM B117 | 600 Hrs. |
| Fungus Resistance | MIL-E-5272-C | Funginert |
| Flammability | ASTM D635 | Self Extinguishing |

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