

DRESSER DPS - Product Submittal

Product Coating - ALCLAD™ 012

Grey fusion-bonded, heat-cured, thermoset epoxy powder

ALCLAD™ 012 is an OD-Only fusion-bonded, grey epoxy coating material and provides an excellent coating for use on components of cathodically protected distribution piping systems. Thermoset epoxy coatings conform to AWWA C-213 specifications. ALCLAD 012 is also used on water service coupling products when incorporating Plain Grade 42 Buna-N gaskets, plus Armored Grade 42 and Armored Grade 27 gasketing applications.

Dresser fusion-bonded epoxy 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
- Excellent adhesion

Typical properties obtained under laboratory controlled conditions and utilizing laboratory prepared samples are given below. Please consult the factory for special line content applications.

PROPERTY	SPECIFICATION	CHARACTERISTICS
Color and Gloss	-	ALCLAD Grey
Coating Thickness	ASTM G12	5-25 Mils DFT
Hardness	Pencil	4H
Direct Impact 72°F	ASTM D2794	160 in./lbs. @ 5 Mils
Adhesion	ASTM D1002	4000 PSI
Abrasion Resistance	ASTM D1044 CS-17 Wheel 1000 Gram Wt.	5000 Cycles 0.2 Gram
Salt Spray Resistance Unscored Panel	ASTM B117	5000 Hrs. No Corrosion or Loss of Adhesion
Water Absorption	ASTM D570	1.0%
Cathodic Disbondment	ASTM G8	0.5 Sq. In.
Soil Stress	Bureau of Reclamation	25 Cycles - No Effect
Fungus Resistance	MIL-E-5272-C	Funginert
Flammability	ASTM D635	Self Extinguishing
Temperature Resistance	-	350°F

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ALCLAD.012.2021