



EPOXY SAMPLE - PO PIPE BLUE ELSF 20191

Description: Thermosetting powder coating based in an epoxy resin. Epoxies are designed for interior applications where exterior durability is not required. This product has been modified giving excellent chemical and physical properties.

Typical Applications: Pipes and valves. All of the components used in the manufacture of this product comply with FDA CFR 21 175.300. This product will meet the physical performance requirements pursuant to the ANSI/AWWA C213-01 section 4.3.

Typical Properties:	Film Thickness (ASTMD)	2.5+ mil
	Gloss 60°angle (ASTM D-523-89)	90+
	Hardness (ASTM D-3363-92A)	4H
	Flexibility (ASTM D-1737-89)	1/16inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160+ in/lbs
	Exterior Durability	Poor
	Chemical Resistance	Excellent
	Salt Spray (ASTM B117)	2000 Hrs. < 1/8"
	Humidity (ASTM D2247)	2000 Hrs. no effect
	Specific Gravity (calculated)	1.45

Application Data: Epoxies are to be applied with a corona electrostatic powder spray gun at between 60- 100kv.

Cure Schedule: Epoxies can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable.

Standard Cure: 10 Minutes @ 360^of Peak Metal Temperature

Storage: Product should be stored at temperatures below 80^of, in a dry area away from any heat source

Notes: All tests were performed on Bonderite 1000, iron phosphated panels with a nominal film thickness of 2 mils. Please refer to the MSDS for safety information.

Any recommendations contained herein or any information given by any IFS COATINGS representative is based on tests and information believed to be accurate. However, since we have no control over the conditions under which our products are transported, stored, handled, or used by purchasers, all recommendations and sales are made on condition that IFS COATINGS will not be held liable for any damages resulting from their use. No representative of ours has any authority to waive or change this provision.