



# Global Eco Technologies, Inc.

## ENDURA-FLEX<sup>®</sup> RBU POLYURETHANE PROTECTIVE PIPE COATING SYSTEM

### PHYSICAL PROPERTY DATA

<u>PHYSICAL TEST</u>	<u>TEST METHOD</u>	<u>RESULT</u>
<b>Durometer Hardness @ 75° F</b>	ASTM D2240	65D - 70D Shore D
<b>Percent Elongation:</b> @ 60 mils	ASTM D638	65% 41%
<b>Abrasion Resistance:</b> 1000 cycles; 1000 gms; CS-17	ASTM D4060	1330 mg loss/ft <sup>2</sup> @ 1 mil
<b>Impact Resistance:</b> @ 65 mils	CAN/CSA-Z245.20-M92 Clause 12.2 Pass @ 1.5j (13.275 in/lbs.) 2 inch dia. pipe	
<b>Weight per gallon:</b> A-Activator B-Base	ASTM D1475	10.33 lbs./gal. 8.71 lbs./gal.
<b>Viscosity: CPS @ 72°F.</b> A-Activator B-Base	ASTM D445 Brookfield	400 700
<b>Cathodic Disbondment:</b> @ 25 mils Expanded	ASTM G95 Modified	4.00mm (Radius)
<b>Atlas Cell:</b> 150° F. Deionized Water @ 125 mils Expanded	NACE STANDARD TM-01-74 Test procedure A	12 Months, No Effect
<b>Elcometer Adhesion:</b> Steel; no primer; SSPC SP-5	ASTM D4541	1500 Solid 1200 Expanded
<b>Accelerated Weathering (QUV):</b>	ASTM G 23	Slight chalk/color change
<b>Accelerated Weatherometer:</b> change	ASTM D2565 (89) Modified	330 Days, Moderate chalk/color
<b>Thermal Shock:</b> @ 60 mils	-50° F. to 200° F. Eight Cycles	Pass - No Effect
<b>High Humidity:</b> @ 60 mils	ASTM B117 (90) Modified 124 Days	Pass - No Effect
<b>Immersion:</b> @ 60 mils	ASTM D870 (87) Modified 630 Days	Pass - No Effect Finished/filtered/raw/softened waters
<b>Salt Fog:</b> @ 60 mils	ASTM B117 (90) 112 Days	Pass - No Effect
<b>Flexibility:</b>	ASTM D522	180° over 4" mandrel
<b>Electrical Inspection:</b>	NACE RP-0188	Yes

**EQUIPMENT RECOMMENDATIONS:** Plural Component metering and mixing equipment. Refer to Endura-Flex<sup>®</sup> RBU "Material Conditioning and Equipment Requirements." Consult your Representative for specific recommendations.

**SAFETY REQUIREMENTS:** Please refer to the Material Safety Data Sheets for safety information and requirements. Always wear the appropriate respiratory protection. Avoid skin contact with materials being applied. Always wear the appropriate head protection, gloves, long sleeve coveralls, and foot protection.

**SURFACE PREPARATION AND APPLICATION PROCEDURE:** Consult your Representative for specific recommendations to each individual project.