



Global EcoTechnologies, inc.

ENDURA-FLEX® 1990 ELASTOMERIC POLYURETHANE PRODUCT DATA

PRODUCT DESCRIPTION

EF-1990, a 100% solids, multi-component polyurethane exhibiting a combination of exceptional chemical inertness, elongation and sunlight resistance (UV) on concrete, asphalt, steel, wood, and earthen substrates used in secondary containment, petroleum, and waste treatment services.

EF-1990 offers excellent corrosion, abrasion, and chemical resistance while retaining its flexibility.

TYPICAL USE AREAS

Piping ** Digesters ** Bio Towers

Manholes ** Catch basins

Wet Wells ** Secondary Containment

Vaults ** Sumps ** Effluent/Influent

TECHNICAL DATA

Components.....	A: Activator
.....	B: Base
Volume of solids.....	100%
VOC content, , ASTM D-2369-81.....	0 gm/l
Mix ratio.....	1:1 by volume
Thinner.....	none required
Clean up.....	M.E.K
Coverage.....	1604 ft ² /mil/gallon
Packaging.....	10 gallons
.....	108 gallons
Color.....	A: amber
.....	B: off-white
Will darken to tan in sunlight	
Dry time @ 77° F:	
Gel.....	2-5 minutes
To touch.....	30-40 minutes
Lt. Foot.....	2 hours
Cured.....	168 hours
Pot life @ 77° F.....	Less than One minute
Flash point.....	300° F
Shelf life.....	One (1) year at 75° F, in sealed,unopened containers

NOTE: GET®, ENDURA-FLEX®, ENDURA-TUF®, ECOSYSTEM®, ARE TRADEMARKS OF GLOBAL ECOTECHNOLOGIES, INC.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his use of the product. Seller's and manufacturers sole responsibility shall be to replace that portion of the product of this manufacturer, which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

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PHYSICAL TEST DATA

PHYSICAL PROPERTY	TEST METHOD	RESULT
Durometer Hardness, Shore A	ASTM D-2260	85 ± 5
Tensile Strength, PSI	ASTM D-412	1360
Percent Elongation,	ASTM D-2370	70%
Abrasion Resistance 1000 cycles; 1000 gms; CS-17	ASTM D-4060-84	0.5 mg
Impact Resistance 100 mil thickness sample	ASTM D-2794 Gardner Tester	No cracking
Weight per gallon A-Activator B-Base	ASTM D-1475	9.2 lbs. 8.7 lbs.
Viscosity, POISE @ 77°F. A-Activator B-Base	ASTM D-445-79 Brookfield	5.0 ± 2 7.0 ± 2

EQUIPMENT RECOMMENDATIONS

Plural Component metering and mixing equipment. Refer to Endura-Flex® Systems "Material Conditioning And Equipment Requirements." Consult your Representative for specific recommendation.

SAFETY REQUIREMENTS

Please refer to the Material Safety Data Sheets for safety information and requirements.

SURFACE PREPARATION AND APPLICATION PROCEDURE

Consult your Representative for specific recommendations to each individual project.