ENVIRONMENTAL COMPOSITES, INC.

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FIBERGLASS SKIMMER

ENVIRO GLASKIMER SPECIFICATIONS

Oil skimmers and baffles shall be constructed of structural reinforced plastic. The skimmers include the blades, mounting fasteners, brackets, posts and all items necessary for the construction and installation of the complete skimmer. The skimmer will be shipped assembled or knocked down (KD) with simple assembly instructions.

MATERIAL

Components of the ENVIROGLASKIMER shall be fiberglass reinforced thermosetting resin, 40% nominal glass content, meeting or exceeding the physical properties listed below. The enforcements shall consist of a combination of unidirectional fiberglass roving, continuous strand mat, and polymeric surfacing veil. All components shall have a smooth, clean molded finish on all surfaces. The resin shall be a **corrosion resistant** grade of isophthalic polyester **having ultraviolet (UV) light inhibitors** and 25% ASP 400 clay property enhancers. Color shall be opaque olive drab "disappearing" green

THICKNESS

Composite skimmer and weir plates shall normally be 3/16" and posts ¼" unless otherwise specified.

COMPOSITE SKIMMER BLADES

Skimmer blades shall be fabricated from structural fiberglass flat plate and angles. All joints will be bonded and bolted following procedures as specified by the manufacturer, Environmental Composites, Inc.

SUPPORT BRACKETS

Support brackets will be fabricated from the same grade and structural fiberglass as the skimmer blade.

POST MOUNTED SKIMMERS

Freestanding support post designs shall be structural fiberglass 2 ½" or 3" x ¼" square tubing. Fiberglass skimmer plate shall be attached to posts by means of stainless steel thru bolts with washers.

PHYSICAL PROPERTIES

The ENVIROGLASKIMER structural materials shall exhibit the following physical properties:

PROPERTY	TEST METHOD	UNIT	LONGITUDINAL	TRANSVERSE
Tensile Strength	ASTM D638	PSI	34,000	20,000
Tensile Modules	ASTM D638	PSI x 10^6	2.4	1.5
Flexural Strength	ASTM D790	PSI	34,000	30,000
Flexural Modules	ASTM D790	PSI x 10^6	1.6	.8
Izod Impact	ASTM D256	Ft-lb/in	30	15
Compressive Strength	ASTM D256	PSI	35,000	20,000
Compressive Modules	ASTM D696	PSI	2.5	1.5
Shear Strength	ASTM D732	PSI	12,000	12,000
Coefficient of:				
Thermal Expansion	ASTM D696	in/in/°C	1.5	**
Water Absorption	ASTM D670	Max %	.6	**