

ENDURA-FLEX[®] RBU REACTION-BONDED URETHANE COATING



PRODUCT DESCRIPTION

ENDURA-FLEX[®] RBU (EF-RBU) is a specially formulated 100 percent solids, aromatic, MDI (recognized for its superior hydrolytic stability), elastomeric reaction-bounded urethane coating/lining system. EF-RBU shows excellent adhesion to abrasive blasted steel by industry standards. EF-RBU is fluid applied, using plural component equipment designed to proportion the two components utilizing airless spray guns or ECOSYSTEM[®] designed spray equipment.

TYPICAL USE AREAS

EF-RBU is designed to protect steel pipe OD for buried (soil side) immersion or semi-immersion (tidal zone) and for slip bore applications. EF-RBU is also designed to be applied over Fusion Bond Epoxy (FBE) as a protective barrier against aggressive back fill or slip bore operations. EF-RBU can be used on the ID of the pipe as a liner for potable water, wastewater, or salt water applications. EF-RBU is applied both in plant or in the field and is easily field repaired. Pipe joints can be efficiently lined or coated in the field.

EF-RBU may be applied by licensed applicators using the ECOSYSTEM[®] patented technology (US Patent No. 4,590,218).



Field application of EF-RBU over FBE
Blasted to SSPC-SP7 "Brush-Off " Blast

SURFACE PREPARATION

For specific recommendations on each individual project, consult your Representative. The following are basic guidelines for preparing steel and concrete substrates prior to coatings application.

Steel: SSPC-SP10 "Near-White Metal Blast Cleaning" for immersion service. SSPC-SP6 "Commercial Blast Cleaning" for non-immersion service such as splash and spillage. SSPC-SP7 "Brush-Off Blast Cleaning" for Rock shield service over Fusion Bounded Epoxy. Blast profile should be a minimum of 2.5 mils.

Concrete: Concrete and masonry surfaces should be dry (per ASTM D-4263) and require the recognized 28-day cure to allow sufficient compressive strength to develop unless such values are verified sooner to the satisfaction of the Owner. Sweep blast to remove laitance, deteriorated concrete, and/or old coatings and provide an etched surface. Sharp edges and protrusions should be removed using hand or power tools. Voids should be filled or sealed using suitable grouts, epoxies, ENDURA-FLEX® products.

PRIMERS

EF-RBU is self-priming on concrete and steel surfaces that are clean, dry, and properly etched. ENDURA-FLEX® 12P EPOXY PRIMER SEALER may be used as a "holding primer" for abrasive blasted steel surfaces or as a "barrier/tie-coat" over properly prepared concrete surfaces. ENDURA-FLEX® 550 PRIMER/SEALER may be used as a "barrier/tie-coat" over properly prepared concrete surfaces and ENDURA-FLEX® 19P FILLER/SURFACER may be used to fill voids. Always consult your Representative and review the Global EcoTechnologies "Guide Specifications", and Product Data Sheets for specific recommendations.



Field application of EF-RBU over steel pipe
Blasted to SSPC-SP10 "Near White" Blast



View of field repair to EF-RBU

GENERAL INFORMATION

Applicators only approved to use the licensed technology can apply EF-RBU. An applicator-training program is available. The focus of the training program is "hands on" experience for the attendees, with special emphasis on how to deal with the everyday problems inherent to plural component equipment operations that can cause unplanned delays, downtime, and/or substandard quality of the applied product. The intent of the GET applicator training program is to have attendees not only versed in the proper procedures for equipment start-up, operation, and shut-down, but to have the knowledge and confidence for "in the field" problem avoidance and problem solving, for the EF-RBU technology. Consult your Representative for details.

APPLICATION: The application system for ENDURA-FLEX® RBU is plural component. The plural component equipment is designed to pump, heat, proportion, and mix the two-component materials at the specified material temperatures, utilizing airless or ECOSYSTEM® spray guns, or pour nozzles.

Global EcoTechnologies, Inc.

"creative solutions for environmental concerns"

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