



Global EcoTechnologies, inc.

ENDURA-FLEX® 12P EPOXY PRIMER SEALER

PRODUCT DATA

PRODUCT

DESCRIPTION

EF-12P, HIGH SOLIDS, TWO-COMPONENT EPOXY PRIMER SEALER OFFERS MOISTURE TOLERANCE AND CHEMICAL RESISTANCE TO ALKALINE CONDITIONS PRESENT ON CONCRETE.

EF-12P IS FORMULATED TO PROVIDE PENETRATION, WETTING, AND SEALING OF SUBSTRATES AND SURFACES EXPOSED TO THE CHEMICAL AND PHYSICAL ENVIRONMENT FOUND IN THE WASTE TREATMENT INDUSTRY.

THIS PRIMER MAY BE USED AS THE FIRST COAT APPLICATION WHEN USING ENDURA-FLEX® 1988 ELASTOMERIC POLYURETHANE INCLUDING (EF-1947, EF-1990) WHERE A PRIMER IS SPECIFIED IN LIEU OF SELF PRIMING APPLICATIONS.

TYPICAL USE AREAS

HEAVY DUTY CORROSION RESISTANT PRIMER SEALER FOR STEEL AND CONCRETE SURFACES FOR BOTH SHOP AND FIELD OPERATIONS. SURFACES SUBJECT TO IMMERSION SERVICE SHOULD BE PROPERLY PREPARED TO INDUSTRY RECOGNIZED STANDARDS BEFORE APPLICATION (I.E., SSPC AND NACE).

TECHNICAL DATA

COMPONENTS: TWO (BASE: ACTIVATOR)

VOLUME OF SOLIDS: 82% ± 2%

V.O.C. CONTENT: 167 GMS/LITER

MIX RATIO: 4:1 BY VOLUME

THEORETICAL COVERAGE: 1312 FT²/MIL/GALLON

THINNER: NONE REQUIRED

CLEAN UP: M.E.K.

DRY FILM THICKNESS: 3-5 MILS

PACKAGED: 5-GALLON KITS

(1 GAL "A"/4 GAL "B")

DOT/FLASH POINT: FLAMMABLE LIQUID

COLOR: MEDIUM GRAY

FINISH: MEDIUM GLOSS (SMOOTH)

CURING TIMES: (ALSO SEE RECOAT AND REPAIR SECTION)

TO TOPCOAT: 2-24 HOURS @ 70°F.

FINAL CURE: 2 DAYS @ 70°

MINIMUM APPLICATION TEMPERATURE:

50° F

POT LIFE: 1 HOUR @ 70°F. (MIXED ONE GALLON KIT)

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.

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ENDURA-FLEX® 12P APPLICATION DATA

SURFACE PREPARATION:

All welding and other such repairs to the surface should be complete before beginning surface preparation. Protrusions, sharp edges, voids, and other rough type surfaces should be rounded, ground-off, or removed. All burrs, slivers, form tie wires, and weld spatter is to be completely removed. Surfaces must be clean, dry (at least 5°F. above dew point) and free of dirt, dust, oils, grease, and other such substances which can contaminate the surface. Vacuuming is recommended for at least the tops of all horizontal and sloped surfaces.

Carbon steel surfaces subject to immersion service require abrasive blast cleaning to a minimum "Near-White Metal Blast" (SSPC-SP10) condition and produce an anchor profile measuring 2-3 mils.

Non-ferrous surfaces require abrasive blasting to remove oxides and produce a surface etch measuring 2-3 mils. Visual cleanliness and surface roughness less than that provided for carbon steel risk compromising the coating integrity.

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. Clean Surfaces by abrasive blasting free of laitence and alkaline salts to a uniformly etched surface. Primer should be applied in a thinned and completely wet application to thoroughly penetrate the surface. "Backrolling" techniques may be beneficial to this application to minimize "pinholing" of primer coat.

APPLICATION/MIXING:

Flush equipment clean with suitable solvent (i.e., MEK). Add Component A into Component B (do not vary proportions) and power agitate until completely uniform in consistency. Maintain agitation during application to assure uniform consistency. Flush equipment immediately upon completion of application. **DO NOT ALLOW MIXED MATERIAL TO STAND IN EQUIPMENT.**

Apply even wet coat. Assure all surfaces are covered and uniform. Use wet mil gauges during application to assure uniform

Thickness. Applied coating thicknesses below or above those specified may adversely affect coating performance. Application of a thin "mist" coat prior to the full coat to "wet out" surface is helpful to reduce pinholing. Use of brushes or rollers during spray application to work coating into porous or rough surfaces also reduce pinholing.

Airless or conventional spray equipment may be used. Use the lowest pressure necessary to atomize materials. Brush and roller is also a suitable application method if practical. Specified film thicknesses may require multiple coats using these methods.

RECOAT & REPAIR:

Cured material or material exposed to extended sunlight will require abrading the surface to assure adequate intercoat adhesion.

SAFETY CONCERNS: *FLAMMABLE MATERIAL HARMFUL IF INHALED*****

MAKE SURE MATERIAL SAFETY DATA SHEETS FOR THESE MATERIALS ARE READ AND UNDERSTOOD BEFORE USING! Wear protective garments, goggles, skin creams, and respirators properly fitted and of the type for the work being performed. Follow precautions in (OSHA) CFR Title 29 and other applicable health and safety standards. See your safety equipment supplier for most current equipment available. Use only fresh air supplied properly fitted respirators for "confined space" areas.

These materials contain flammable solvents and require the use of explosion-proof lighting and electrical equipment. All equipment capable of producing a static electric charge (i.e., airless spray, abrasive blast) must be properly grounded. Use only non-sparking tools, clothing, shoes, etc. when working in areas where solvents are present.

Maintain adequate forced fresh air exchange to all confined space areas where solvent vapor/mists are released to maintain a safety factor of solvent vapors below 20% of the explosive limit. Maintain these conditions until coatings are completely cured free of solvent release as verified by air monitoring equipment.

Global EcoTechnologies, Inc.

"creative solutions for environmental concerns"

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