



Build Greener • Build Better

ECO PRO-WB

WATER-BASED ALIPHATIC POLYUREA

PRODUCT DESCRIPTION

ECO PRO-WB is a two component, water-based, aliphatic polyurea sealer. **ECO PRO-WB** may be applied with squeegee and roller, or low pressure spray unit. It can be formulated with a special anti-graffiti additive (optional). It adheres well to a wide range of substrates including concrete, metal, wood, brick and masonry. **ECO PRO-WB** may be applied at temperatures ranging from 50°F to 120°F. **ECO PRO-WB** contains no VOC's and emits virtually no odors.

PRIMARY APPLICATIONS

- + UV Stable Sealer
- + Anti-Graffiti Coating
- + Decorative Flooring
- + Industrial Flooring
- + Decks and Walkways

KEY ADVANTAGES

- + 100% UV Stable
- + Special Anti-Graffiti Additive (optional)
- + Easy to Install – Squeegee/Roller/Low Pressure Sprayer
- + Rapid Curing
- + Excellent Adhesion to a Wide Range of Substrates
- + Excellent Chemical Resistance
- + Superior Abrasion and Wear Characteristics
- + Hydrophobic (Water Insensitive)
- + No VOC's
- + Low Odor
- + Low Maintenance
- + USDA, FDA and CFIA Acceptable
- + LEED Compliant

PHYSICAL PROPERTIES

PROPERTY	UNITS OF MEASUREMENT	TEST RESULT
TENSILE STRENGTH ASTM D412	PSI	2920
TENSILE ELONGATION ASTM D412	%	200
TEAR STRENGTH ASTM D624	PLI	375
HARDNESS ASTM D785	SHORE A	80
FLEXURAL MODULUS ASTM D790	PSI	>250,000
TABER ABRASION ASTM D4060 CS-17 Wheel, 1 K Cycles	MG LOSS	40
VISCOSITY A-Side @75 °F	CPS	600
VISCOSITY B-Side @75 °F	CPS	1400
GEL TIME	MINUTES	40
TACK FREE TIME	MINUTES	50
MIX RATIO	PBV	1A:2B

CHEMICAL RESISTANCE

Chemical	Result (25°C)	Chemical	Result (25°C)
Acetic Acid (100%)	C	NaOH H ₂ O (10%)	R
Acetone	C	Nitric Acid (50%)	R
Ammonium Hydroxide (50%)	R	Phosphoric Acid (10%)	R
Brine-Saturated H ₂ O (310 g/l)	R	Potassium Hydroxide (10%)	R
Chlorinated H ₂ O	R	Potassium Hydroxide (20%)	R, Dis
Clorox® (10%) H ₂ O	R	Propylene Carbonate	RC
Diesel Fuel	RC	Skydrol®	C
Gasoline	RC	Sodium Hydroxide (25%)	R
Gasoline / 5 % MTBE	RC	Sodium Hydroxide (50%)	R
Gasoline / 5% Methanol	RC	Sodium Hypochlorite (10%)	R
Hydrochloric Acid (37%)	R	Sodium Bicarbonate	R
Hydrofluoric Acid (10%)	NR	Stearic Acid	R
Hydraulic Fluid (Oil)	RC	Sugar I H ₂ O	R
Isopropyl Alcohol	R	Sulfuric Acid (10%)	R
Lactic Acid	RC	Sulfuric Acid (50%)	R
MEK	RC	Toluene	R
Methanol	R	1,1,1-Trichloroethane	C
Methylene Chloride	C	Trisodium Phosphate	R
Mineral Spirits	RC	Vinegar I H ₂ O (5%)	R
Motor Oil	R	H ₂ O	R
Muriatic Acid (10%)	R	Xylene	RC

R = Recommended, little or no visible damage
 RC = Recommended Conditional, some effect - swelling or discoloration
 C = Conditional, cracking - wash down within 1 hour of spillage to avoid effects

NR = Not Recommended
 Dis = Discoloration

Ecolink Products Group, Inc.
 1-855-ECOLINK (326-5465) Toll Free
www.ecolinkgroup.com



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 CONCRETE REPAIR
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PACKAGING

- + 5 Gallon Pails
- + 55 Gallon Drums

COVERAGE

100 sq. ft. per gallon at 16 mils coating thickness

ADHESION TO SUBSTRATES

Adhesion results for various substrates, tested with
ASTM D-451 Elcometer (no primer):

- + Concrete: >300 psi (cohesive failure)
- + Steel: >1000 psi
- + Composite Laminate: >1000 psi

APPLICATION GUIDELINES

Substrate Preparation

Prepare all surfaces clean and sound prior to application of **ECO PRO-WB**. Thoroughly clean substrate of any dirt, dust, loose material, oil, grease, laitance, rust, scale, paint, coatings, curing compounds and all other contaminants. Mechanical abrasion is recommended to achieve optimum adhesion. Fill all joints, cracks and holes flush to surface with **ECO Weld** Rapid Set Polyurea Joint and Crack Sealant or with **ECO Mineral**. Trim/sand any overfill flush to surface.

Old Concrete

Sandblasting, shot blasting or water blasting is highly recommended to remove surface contaminants. Any oils or fats must be removed prior to product application. Acid etching may be required (followed by a thorough rinsing) to open the pores of the concrete to accept a primer coat.

New Concrete

The concrete should be allowed to cure for a minimum of 30 days. Shot blasting, sandblasting or acid etching (15% muriatic acid and 85% water) is required to remove the surface laitance that appears during the curing process. A primer should be applied to reduce outgassing.

Carbon Steel

The steel must be prepared to a “near white metal,” equivalent to SSPC 10 or NACE 2. For immersion service, a 3-mil blast profile is recommended. A 20 – 60 mil coat of ECO Pro is generally recommended based on chemical resistance issues.

Mixing Instructions

Mix only the amount of **ECO Pro-WB** that can be applied within the working time of the material. Accurately measure one part **ECO PRO-WB** Side A and two parts Side B components into separate, clean, graduated, plastic measuring containers. Add the Side B into the Side A and mix the two components together for 2 minutes, using a low speed drill mixer, until a homogeneous mix is achieved. Constantly wipe the sides and bottom of the container with the mixing blade and avoid creating a vortex that will draw air into the mix.

Application

Prior to application, check pH, chloride and moisture levels of substrate. Apply **ECO PRO-WB** immediately after mixing. Apply **ECO PRO-WB** in a multi-directional manner (north-south and east-west) to ensure the proper coating thickness. Roll out any puddles and drip marks.

HANDLING AND STORAGE

Store product in a dry location in factory sealed containers at 60 to 90°F. Product shelf life is minimum 12 months in factory-sealed containers. **ECO PRO-WB** is Class 55, not regulated by USDOT shipping regulations.

SAFETY

Refer to Material Safety Data Sheets.

DISCLAIMER

The technical data and any other printed information furnished by Ecolink Products Group, Inc. is true and accurate to the best of our knowledge. This product conforms to Ecolink's in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray or injuries resulting from the use of this product. Ecolink Products Group, Inc. makes no warranty, expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.