

# ECOLINE-R Liquid Applied Membrane

**STRETCHES THE LIMIT FOR BELOW GRADE WATERPROOFING**



## Effective Water and Vapor Barrier System

- Water based...may be applied to green or uncured concrete and to damp surfaces.
- Exceptional bonding...won't delaminate from surfaces.
- Non-toxic, non-flammable, non-hazardous...user and environmentally friendly.
- Viscosity...makes high-build application repairs with mesh or polyester mat easier.
- Rapid setting...allows job to be done in one application.

PROPERTIES	TEST METHOD	UNIT
<b>TYPICAL UNCURED PROPERTIES</b>		
Specific Gravity .....		1.034
Viscosity .....		9m-13m centipoise
PH .....		11.5
Flammability .....		270° F
Color .....		Brown to Black
Non-Toxic .....		No Solvents
Shelf Life .....		6 months
<b>TYPICAL CURED PROPERTIES</b>		
Initial Cure .....		30 minutes
Final Cure .....		24 -48 hours
Tensile Strength .....	ASTM 412 .....	32 psi
Elongation .....	ASTM 412 .....	3,860%
Resistance to Decay .....	ASTM E 154 Section 13 .....	9% Perm Loss
Accelerated Aging .....	ASTM G 23 .....	No Effect
Moisture Vapor Transmission .....	ASTM E 96 .....	0.026 g/sq. ft. /hr.
Hydrostatic Water Pressure .....	ASTM D 751 .....	28 psi
Perm rating (US Perms) .....	ASTM E 96 .....	0.17
Methane transmission rate .....	ASTM D 1434 .....	0
Adhesion to Concrete & Masonry .....	ASTM C 836 .....	7 lbf./inch
Hardness .....	ASTM C 836 .....	85
Crack Bridging .....	ASTM C 836 .....	No Cracking
Low Temp. Flexibility .....	ASTM C 836-00 .....	No Cracking at -20°C
Resistance to Acids:		
Acetic .....		30%
Sulfuric and Hydrochloric .....		15%
<b>COVERAGES</b>		
40-mils .....		28 sq. ft./gal
55-60-mils .....		19 sq. ft./gal

**Packaging:** Available in 1 or 5 gal. containers

**Approvals:** City Of Los Angeles RR# 25478 (for methane and waterproofing), NSF Standard 61 for potable water containment

**EPRO SERVICES**  
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# ECOLINE-R Specifications

## 1. PRODUCT NAME

**ECOLINE-R**

## 2. MANUFACTURER

EPRO SERVICES, INC.  
P.O. Box 347  
Derby, KS 67037  
PHONE: 800-882-1896  
FAX: 316-262-2529

## 3. PRODUCT DESCRIPTION

**Basic Use:** ECOLINE-R is designed to be a waterproof and vapor retardant membrane for a variety of surfaces including concrete (uncured), block, wood and metal and for a variety of applications including decks, walls (both negative and positive side) and water retention structures. ECOLINE-R is used in conjunction with mesh or mat material for repairing cracks, joints and spalled areas. It may be used as a waterproofing adhesive for protection/insulation board or tile and as a base coat for other water-based surface wearing products.

**Composition:** ECOLINE-R is a medium viscosity water-based, polymer-modified anionic bituminous/asphalt emulsion, which exhibits bonding, elongation and waterproofing characteristic.

### Benefits:

- Performs as a vapor and water barrier.
- Non-hazardous, non-toxic, and non-flammable (VOC compliant).
- Excellent elongation and recover.
- Good tensile strength.
- Exceptional bonding.
- Not affected by ponded water.

### Limitations:

- Should be applied to clean and dry surfaces.
- Adjacent areas and surfaces should be

protected from contact with the product.

- Should be stored above 40° F.
- A test area should always be done to verify compatibility of substrate with product.
- Solvent-based products should not be applied over this product.
- During warm weather application in 10-mil layers is recommended.

## 4. TECHNICAL DATA

**Properties:** See chart.

**Coverages:** See chart.

### • Specification Writer:

Contact EPRO Services before writing specifications on this project. Test information available upon request.

## 5. INSTALLATION

**Preparation:** Must include but not limited to:

- All surfaces should be dry and free of loose materials, release oils and other contaminants. These should be removed prior to application by power washing or other suitable methods.
- A test should always be done prior to application using the same cleaning and application procedures to be used on the project.

### Application:

- Should be applied in accordance with specific application specification.
- ECOLINE-R may be applied by roller, brush or sprayer to 40-mil build. Two 20-mil coats will allow ECOLINE-R to cure faster. Cracks and joints should be filled and spanned with mesh prior to final coat application.

**Cleaning:** Clean all tools with kerosene and/or oil-based cleaners.

## 6. AVAILABILITY AND COST

Contact the local distributor and/or Authorized Applicator for availability and cost.

## 7. WARRANTY

**Limited Warranty:** EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

## 8. MAINTENANCE

No maintenance required.

## 9. TECHNICAL SERVICES AND INFORMATION

Complete technical services and information are available from EPRO Services.

