

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.
- LEED® credits available.

PROPERTIES	TEST METHOD	UNIT
TYPICAL UNCURED PROPERTIES		
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
TYPICAL CURED PROPERTIES		
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	0.071 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%
COVERAGES		
60-mils wet (to achieve 40-mils cured)		28 sq. ft./gal
90-mils wet (to achieve 60-mils cured)		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.
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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 product. 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.

