



System: E.Proformance

Former System Name: System III-LW

Application: Shoring

System Thickness: 90 mils

**1st Layer**

**2nd Layer**

Product Name | e.drain  
Former Name | Ecodrain-E

e.spray 60 mils  
Ecoline-S

**DESCRIPTION**

E.Proformance Shoring is a redundant field-installed composite waterproofing, methane gas, and vapor intrusion barrier for below-grade pre-applied vertical wall protection. When used in conjunction with the E.Proformance Underslab system, a single source warranty is available for both waterproofing, and contamination such as, methane gas, volatile organic compounds (VOC's), or aeromantic hydrocarbons. E.Proformance Shoring can also be applied without an underslab barrier for sites with minimal waterproofing risk, or in conjunction with other E.Series systems when above the design water table.

E.Protect Shoring is compatible with cast-in-place poured concrete or shotcrete, and when applied to different types of shoring methods including soldier pile, back lagging, shotcrete soil nail, internal rakers, caissons, secant walls, and sheet piles.

**BENEFITS**

- Building Integration: Fully integrates and bonds with vertical foundation wall.
- Chemically Resistant. Provides a high level chemical resistance to a wide range of contaminants commonly found in soil and groundwater.
- Seamless. Composite field-installed membranes do not contain a continuous seam.
- Fast Installation: Less weather sensitivity compared to comparable competitive systems, and does not require additional protection prior to the placement of concrete.

**LIMITATIONS**

- Not designed for sites with constant hydrostatic pressure.
- This system does not contain a continuous layer of bentonite or a thermally welded base sheet.
- Extreme weather conditions can impact installation methodology.

## SPECIFICATIONS, DRAWINGS, AND TECHNICAL ASSISTANCE

The most current specifications and drawings can be found on [www.eproinc.com](http://www.eproinc.com). For project specific details contact EPRO directly, or the local EPRO representative.

Site conditions, performance goals, and budget determine which system is more appropriate for a given project. For more information regarding product performance, testing, plan review, or general technical assistance, please contact EPRO.

## WARRANTY

EPRO provides a wide range of warranty options for E.Series systems. For a project to be eligible for any warranty option beyond a 1-year material warranty, an EPRO Authorized Applicator must be used and the project must be registered and approved by EPRO prior to the commencement of any product application.

Warranty options available for this system include:

- Material warranty
- E.Series Labor and Material Warranty
- E.Assurance No-Dollar-Limit Warranty

For information relating to EPRO's E.Assurance warranty program, contact EPRO. All E.Assurance no-dollar-limit labor and material warranties are approved on a project by project basis. E.Assurance warranties are available for deck applications when E.Series systems are used on the below-grade envelope.

PROPERTIES	TEST METHOD	VALUE
Tensile Strength	ASTM D412	688 psi
Elongation	ASTM D412	696%
Adhesion to Concrete	ASTM D903	15.6 lbf/in
Puncture Resistance	ASTM D1709	116 lbf/in
Hydrostatic Head Resistance	ASTM D5385	100 psi (231 ft)
Water Vapor Transmission	ASTM E96	.021 perms