



<b>System: E.Proformance M</b>		<b>Former System Name: System III-MB and System III-LWMB</b>	
<b>Application: Underslab and Shoring</b>		<b>System Thickness: 96 mils</b>	
	<b>1st Layer</b>	<b>2nd Layer</b>	<b>3rd Layer</b>
<b>Product Name</b>	e.base 205	e.spray 60 mils dry	e.shield 205
<b>Former Name</b>	Ecoshield-P	Ecoline-S	Ecoshield-PP

**DESCRIPTION**

E.Proformance M is a redundant field-installed composite waterproofing, methane gas, and vapor intrusion barrier for below-grade underslab and blindside vertical wall protection. Designed specifically for waterproofing and methane mitigation projects being constructed within the City of Los Angeles, or Los Angeles County, E.Proformance M has the necessary approvals to effectively keep buildings dry and safe. E.Proformance M is also resistant to volatile organic compounds (VOC'S) and aromatic hydrocarbons, and awarded a US Patent.

E.Proformance M is compatible with all types of building foundations, and can be applied to different types of shoring methods including soldier pile, back lagging, shotcrete soil nail, internal rakers, caissons, secant walls, and sheet piles. Cast-in-place poured concrete or shotcrete is also compatible with E.Proformance M. For blindside vertical wall applications to shoring, e.drain or e.drain 6000 may be used.

For projects outside of the City or County of Los Angeles, the blindside vertical wall application E.Proformance M is not required. Contact EPRO for the proper assembly recommendation.

**BENEFITS**

- Chemically Resistant. Provides 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.
- Fully Bonded: Fully bonds with the underslab and vertical wall.
- Fast Installation: Less weather sensitivity compared to comparable competitive systems.
- Approved by the City and County of Los Angeles for sites impacted with methane gas.

**LIMITATIONS**

- A protective bentonite layer is not included in this system configuration.
- 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	662 psi
Elongation	ASTM D412	45%
Adhesion to Concrete	ASTM D903	8 lbf/in
Puncture Resistance	ASTM D1709	310 lbf
Hydrostatic Head Resistance	ASTM D5385	100 psi (231 ft)
Water Vapor Transmission	ASTM E96	.033 perms
Soil Burial	ASTM D4068	Passed
Heat Aging	ASTM D4068	Passed
Environmental Stress Cracking	ASTM D1693	Passed
Oil Resistance	ASTM D543 & D412	Passed
Methane Transmission	ASTM D1434	Passed