



System: E.Proformance

Former System Name: System III-MB

Application: Underslab

System Thickness: 96 mils

	1st Layer	2nd Layer	3rd Layer
Product Name	e.base 205	e.spray 60 mils	e.shield 205
Former Name	Ecoshield-P	Ecoline-S	Ecoshield-PP

DESCRIPTION

E.Proformance Underslab is a redundant field-installed composite waterproofing, methane gas, and vapor intrusion barrier used to seal below-grade building foundations. Ideal for below-grade building foundations not subjected to hydrostatic pressure, but require waterproofing protection and a single source warranty for both waterproofing and contamination such as, methane gas, volatile organic compounds (VOC's), or aeromantic hydrocarbons. E.Proformance Underslab has been awarded a United States Patent, is approved by both City and County of Los Angeles for methane mitigation, and approved by various environmental regulatory bodies for chemical vapor intrusion.

E.Proformance Underslab is designed to be compatible with all types of building foundations.

BENEFITS

- Chemically Resistant. Provides a high level chemical resistance to a wide range contaminants commonly found in soil and groundwater.
- Seamless. Composite field-installed membranes do not contain a continuous seam.
- Fully Bonded: The system mechanically bonds to any concrete overlay.
- Fast Installation: Composite systems allow for large areas to be installed very quickly, saving time and money for building owners.

LIMITATIONS

- Not designed for sites with constant hydrostatic pressure as it does not contain a continuous layer of bentonite or a thermally welded base sheet.
- Sub-Slab Vapor collection, passive or active, is suggested in addition to E.Proformance for sites impacted with contamination.
- 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. 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