



System: E.Protect+

Former System Name: System III-CWB

Application: Walls

System Thickness: 180 mils

	1st Layer	2nd Layer	3rd Layer
Product Name	e.spray 80 mils	e.shield 110b	e.drain 6000
Former Name	Ecoline-S	Ecoshield-EB	Ecodrain-S 6000

## DESCRIPTION

E.Protect+ Wall is a redundant field-installed composite waterproofing, methane gas, and vapor intrusion barrier for below-grade post applied vertical wall. Designed to provide the most redundant and highest level of below grade building protection of the E.Series systems, E.Protect+ Wall provides un-paralleled protection with a fully bonded system to the substrate and utilizes all three types of waterproofing: spray applied polymer modified asphalt, bentonite, and a polyolefin sheet. E.Protect+ Wall is designed for projects that require the highest level of performance.

E.Protect+ Wall is compatible with all different types of over excavated wall construction, two-sided formed, one-sided shotcrete, precast concrete, insulated concrete forms (ICF), and concrete masonry units (CMU).

## 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 vertical foundation wall.
- Fast Installation: Less weather sensitivity compared to comparable competitive systems.
- Continuous Active Protection: The bentonite layer creates a uniform self-sealing membrane.

## LIMITATIONS

- Sites with brackish water and/or contamination will require compatibility testing to determine the appropriate use of bentonite.
- 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	196 psi
Elongation	ASTM D412	351%
Adhesion to Concrete	ASTM D903	20.0 lbf/in
Puncture Resistance	ASTM D1709	65.5 lbf
Hydrostatic Head Resistance	ASTM D5385	100 psi (231 ft)
Water Vapor Transmission	ASTM E96	.0374 perms