



We make products to keep
structures dry and safe.

eproinc.com

OUR STORY

Dave Polk and his partners founded EPRO in 1993 after being introduced to the building materials business. With backgrounds in several different types of foundation products, our founders realized they had something special with the development of a water-based spray-applied polymer modified asphaltic emulsion. We grew quickly as our products were refined and a track record of success was established.

Knowing that having a great product was only a small component of our identity, we thrived because of our desire to respond quickly to the needs of our clients. We worked diligently to understand the continual challenges our clients faced in the field and we were passionate about our products' impact on building envelope protection.

There is no magical formula for our success. It was actually very simple. We listen to our clients and continually work to refine products to meet the growing demands of modern day construction. We are there when the project goes well, when challenges arise, and when we are needed after installation.

We will provide you with the best possible solution for your project needs and be there for you throughout the process. We support our products with the best warranties available in the industry, and we use our nearly 25 years of experience to ensure that each project is a success.

OUR PROCESS

For nearly 25 years we have developed waterproofing systems to keep structures dry and occupants safe. We believe that fabricating systems in the field and seeking to maximize redundancy provides the best building envelope protection. This is a concept we call **redundant field-installed composite design**. The principles that guide this design philosophy are: minimize the number of seams, fully adhere the system to the substrate, utilize multiple waterproofing materials to create redundancy, and create value through efficient installation methods.

The **redundant field-installed composite design** concept enables design professionals to address a wide variety of project conditions ranging from simple low-risk foundations with nuisance water, to complex foundations with hydrostatic conditions and contaminated soil or groundwater. These membrane systems may be applied in pre-applied conditions to seal foundation slabs or shoring walls, and in post-applied applications to freestanding concrete walls or podium decks.



E.SERIES

E.Series by EPRO provides developers, designers, and contractors the ability to determine what system best meets their project requirements. Desired performance, site conditions, and budget considerations play a crucial role when selecting a waterproofing system.

Utilizing our **Redundant Field-Installed Composite Design** philosophy, E.Series systems represent the evolution of our products over the past 20 years. This evolution is demonstrated in the three types of E.Series systems.

Whatever your project needs, E.Series by EPRO has a system to meet the demanding requirements of modern day construction.

.PROTECT+™

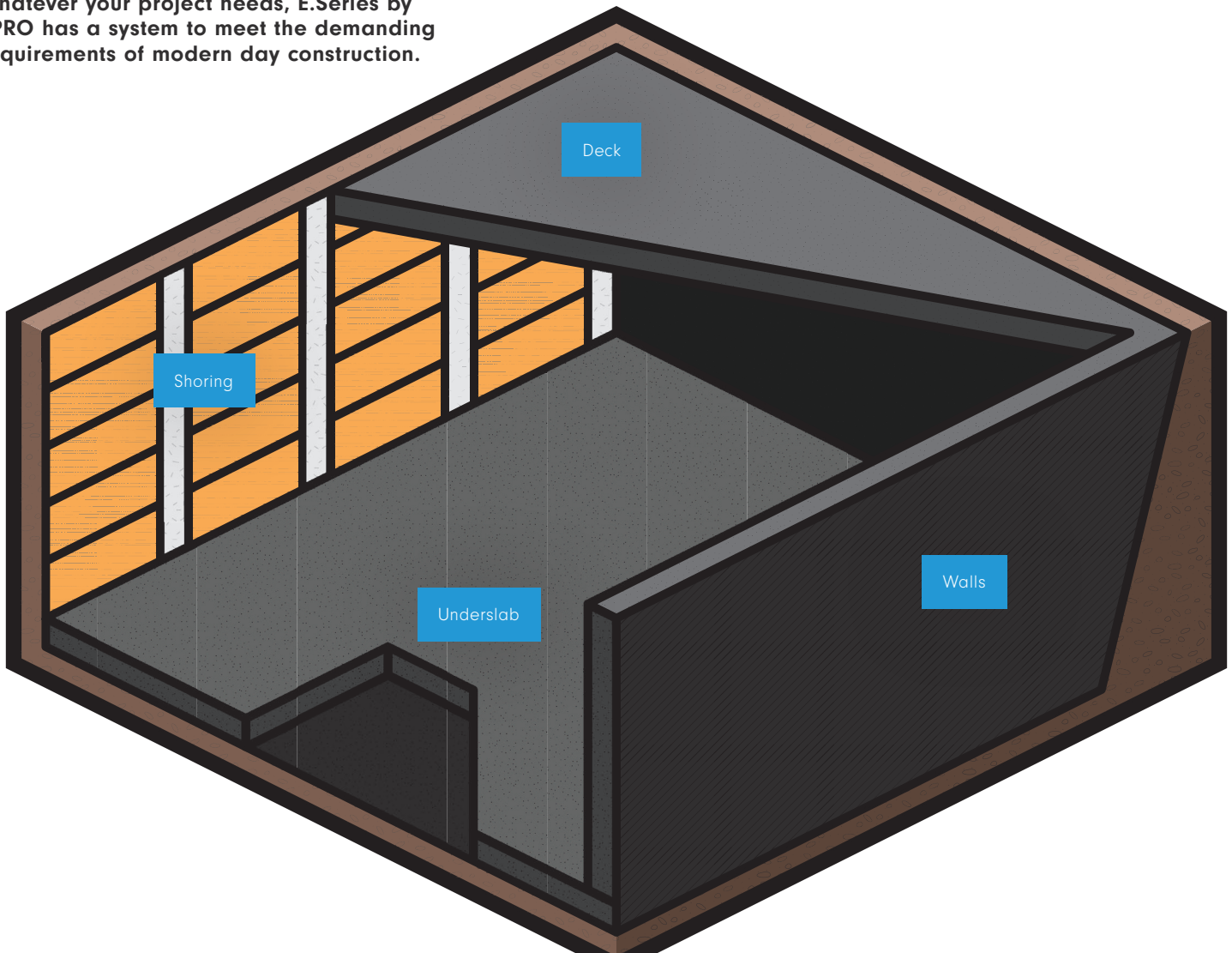
E.Protect+ is ideal when performance is paramount.

.PROTECT™

E.Protect provides an ideal compromise between performance and budget considerations.

.PROFORMANCE™

E.Proformance offers proven systems for sites with lower risk.



PRE-APPLIED SHORING

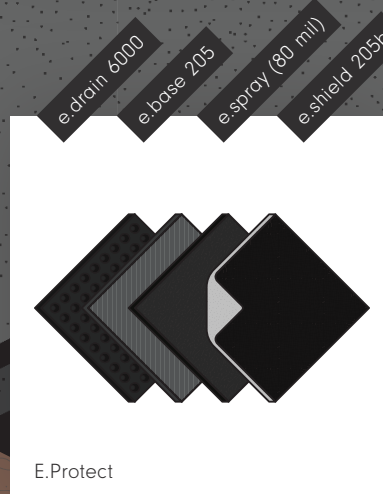
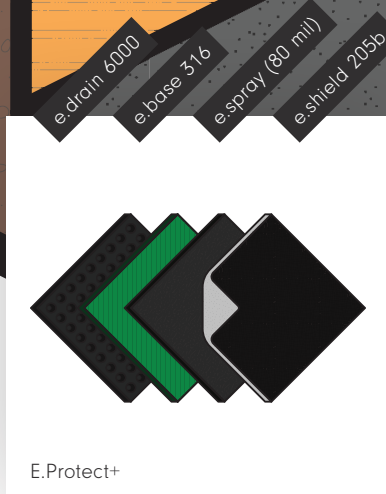
When: Vertical protection against nuisance water, perched water, or groundwater. Also used to protect against the lateral migration of various contaminated vapors and methane gas.

E.Protect+ shoring assembly combines the redundant benefits of e.drain 6000 (3/8" drain mat), e.base 316, (16 mil HDPE thermoplastic membrane with heat welded seams), an 80 mil layer of e.spray (polymer modified asphaltic membrane), and e.shield 205b (an HDPE reinforced bentonite sheet). E.Protect+ shoring assembly is designed to address hydrostatic conditions in zero-lot-line applications that present significant complexity and risk.

E.Protect shoring assembly utilizes e.drain 6000 (3/8" drain mat), e.base 205 (geotextile reinforced HDPE sheet membrane), a 80 mil layer of e.spray (polymer modified asphaltic membrane), and e.shield 205b (an HDPE reinforced bentonite sheet). Ideal for excavations greater than 20 feet, post tension foundations, and shoring walls with less than ideal substrates.

E.Proformance shoring becomes fully integrated with the foundation wall by applying a 60 mil layer of e.spray (polymer modified asphaltic membrane) to e.drain (30 mil HDPE 3/8" dimpled drain mat). E.Proformance shoring assembly provides ideal waterproofing protection for structures without significant presence of water.

Designed for various shoring applications: soldier pile, back lagging, soil nail, internal rakers, secant walls and sheet pile. These systems are also compatible for use with shotcrete and poured walls.



POST-APPLIED WALLS

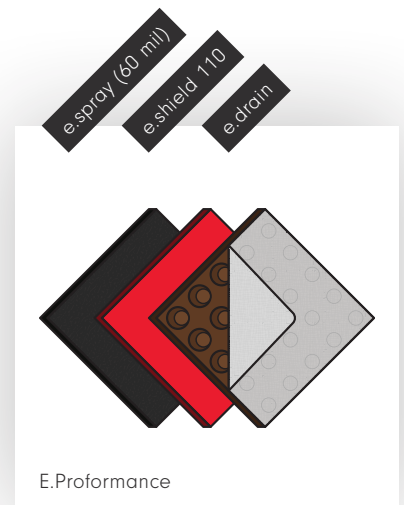
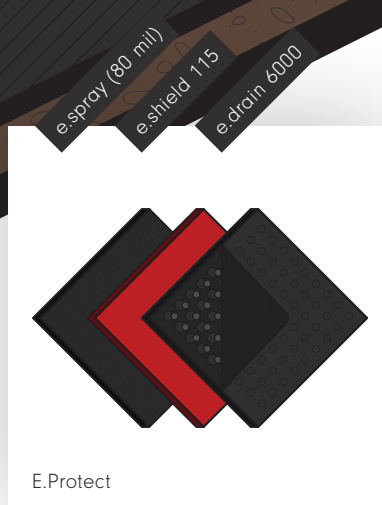
When: Vertical protection against nuisance water, perched water, or groundwater. Also used to protect against the lateral migration of various contaminated vapors and methane gas.

E.Protect+ wall combines the redundant benefits of an 80 mil layer of e.spray (polymer modified asphaltic membrane), e.shield 110b (a polyolefin reinforced bentonite sheet), and e.drain 6000 (3/8" drain mat) to provide unparalleled protection for positive side applications. Ideal for complex conditions, sensitive building areas, or anywhere maximum protection is needed.

E.Protect wall composite system consists of 80 mil layer of e.spray (polymer modified asphalt membrane), e.shield 115 (15 mil polyolefin protection layer) and e.drain 6000 (3/8" drain mat). Designed to handle a wide variety of positive side wall conditions, while providing enhanced protection against common backfill materials.

E.Proformance wall utilizes a 60 mil layer of e.spray (polymer modified asphalt membrane), e.shield 110 (10 mil polyolefin protection layer) and e.drain (30 mil HDPE 3/8" dimpled drain mat) to provide a system that addresses sites with nominal waterproofing risk on shallow foundations.

Designed for positive side application to freestanding vertical walls made from ICF forms, CMU block, cast-in-place concrete, or shotcrete.



PRE-APPLIED UNDERSLAB

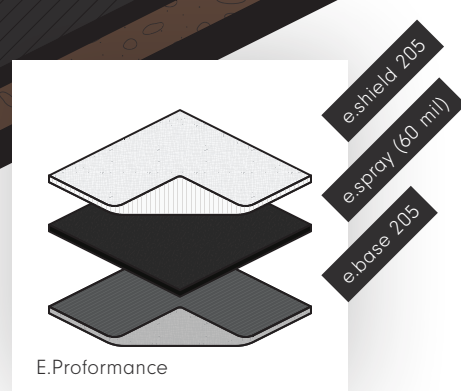
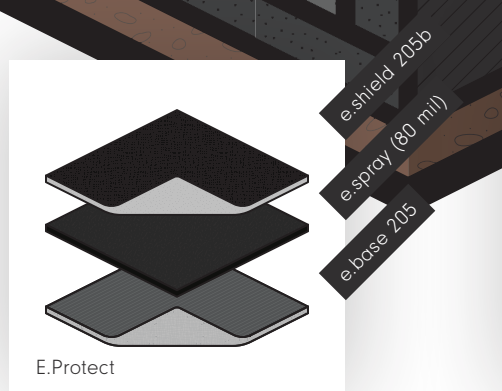
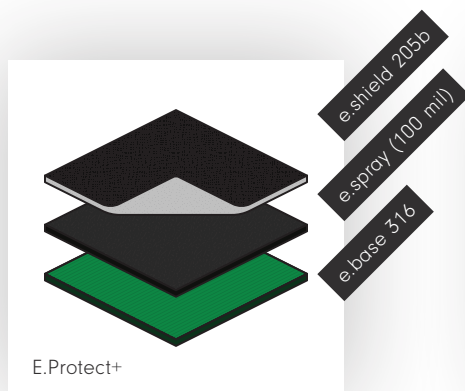
When: Underslab protection is needed for structures with hydrostatic conditions, sites with potential hydrostatic conditions that may also contain the threat of methane gas, or contaminant vapor intrusion.

E.Protect+ underslab maximizes redundancy by combining the benefits of e.base 316 (16 mil HDPE thermoplastic membrane with heat welded seams), a 100 mil layer of e.spray (polymer modified asphaltic membrane), and e.shield 205b (HDPE reinforced bentonite sheet). In hydrostatic conditions this system will terminate a minimum of 3' past the design water table to insure maximum protection.

E.Protect underslab assembly blends the characteristics of E.Protect+ and E.Proformance. The base course consists of e.base 205 (an HDPE membrane thermally bonded to a geotextile fabric), an 80 mil layer of e.spray (polymer modified asphaltic membrane), and e.shield 205b (an HDPE reinforced bentonite sheet). E.Protect is appropriate for underslab waterproofing protection, but where site conditions or budget considerations might not require maximum protection.

E.Proformance underslab assembly consists of a 60 mil layer of e.spray (polymer modified asphaltic membrane) sandwiched between the e.base 205 base sheet and e.shield 205 top sheet (HDPE membranes thermally bonded to a geotextile fabric). E.Proformance underslab is ideal for moisture protection on sites that may also contain methane gas, contaminated soil, or contaminated groundwater.

Designed for structures with the following foundation types: pile, pad, mat, strip footings, grade beams, and buildings with moisture sensitive flooring or finishes.



POST-APPLIED DECK

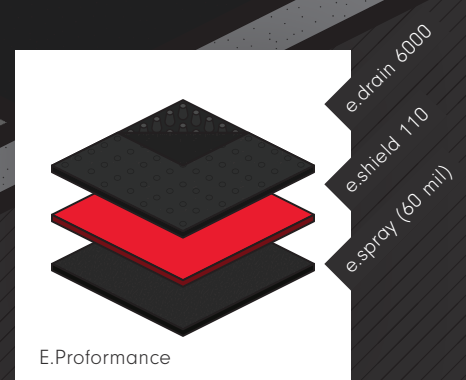
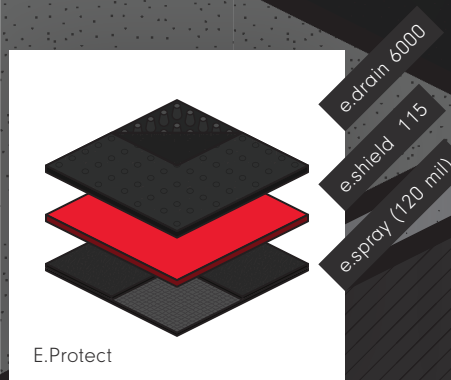
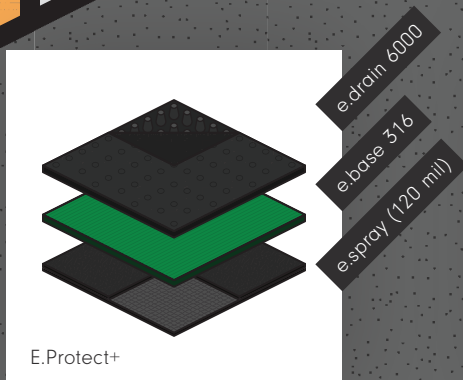
When: Protecting against water infiltration on podium decks, planters, and balconies.

E.Protect+ deck creates redundancy by combining a 120 mil layer of reinforced e.spray (polymer modified asphaltic membrane), e.base 316 (16 mil HDPE thermoplastic membrane with heat welded seams), and e.drain 6000 (3/8" drain mat). E.Protect+ is ideal for split slab applications that present only one chance to get the job done correctly.

E.Protect deck assembly utilizes a 120 mil layer of reinforced e.spray (polymer modified asphaltic membrane), e.shield 115 (15 mil polyolefin protection layer) and e.drain 6000 (3/8" drain mat). Suitable for most podium applications with pavers or without e.drain 6000 for pedestal deck systems.

E.Proformance deck utilizes a 60 mil layer of e.spray (polymer modified asphaltic membrane), e.shield 110 (10 mil polyolefin sheet), and e.drain 6000 (3/8" drain mat). Ideal for smaller applications such as balconies and planters.

Designed for various deck applications: split slabs, plywood substrates, green roofs, and pedestal and/or paver systems.





E.ASSURANCE™

Modern day construction requires more of building envelope products. Foundations are being built deeper, site conditions are more demanding, and construction methodologies can adversely impact how buildings are kept dry and safe. These factors not only increase the owner's liability, but that of the entire project team. We know that in demanding site conditions, everything needs to go absolutely perfect. However, we also know through our nearly 25 years of experience that proper coordination is required to help anticipate, address, and ensure exceptional performance.

The E.Assurance warranty program leverages our product and construction knowledge to ensure the project is a success and we stand behind this process with a No Dollar Limit Labor and Material warranty.

The E.Assurance warranty program contains four main steps.



PLAN REVIEW

Our team will assist in reviewing site specific information, construction drawings, and construction sequencing to ensure the construction methodologies will not compromise our system, and help anticipate any challenges before they can adversely impact the project schedule. Guidance will then be provided in drawing and specification development, and AutoCad details can be provided to address site specific conditions.



INSTALLATION COORDINATION

The waterproofing installation is in the critical path of the building construction. The system can be compromised due to changes made in the field, damage inflicted from other trades, project delays, and other factors that may or may not be in control of the project team. The E.Assurance warranty program helps in monitoring these activities through structured coordination meetings.



INSPECTION PROTOCOL

EPRO Certified Inspectors are crucial in making a waterproofing application successful. Hired by the owner, they assist in monitoring the installation process by following the E.Assurance inspection protocol and on-site reporting.



WARRANTY SERVICE

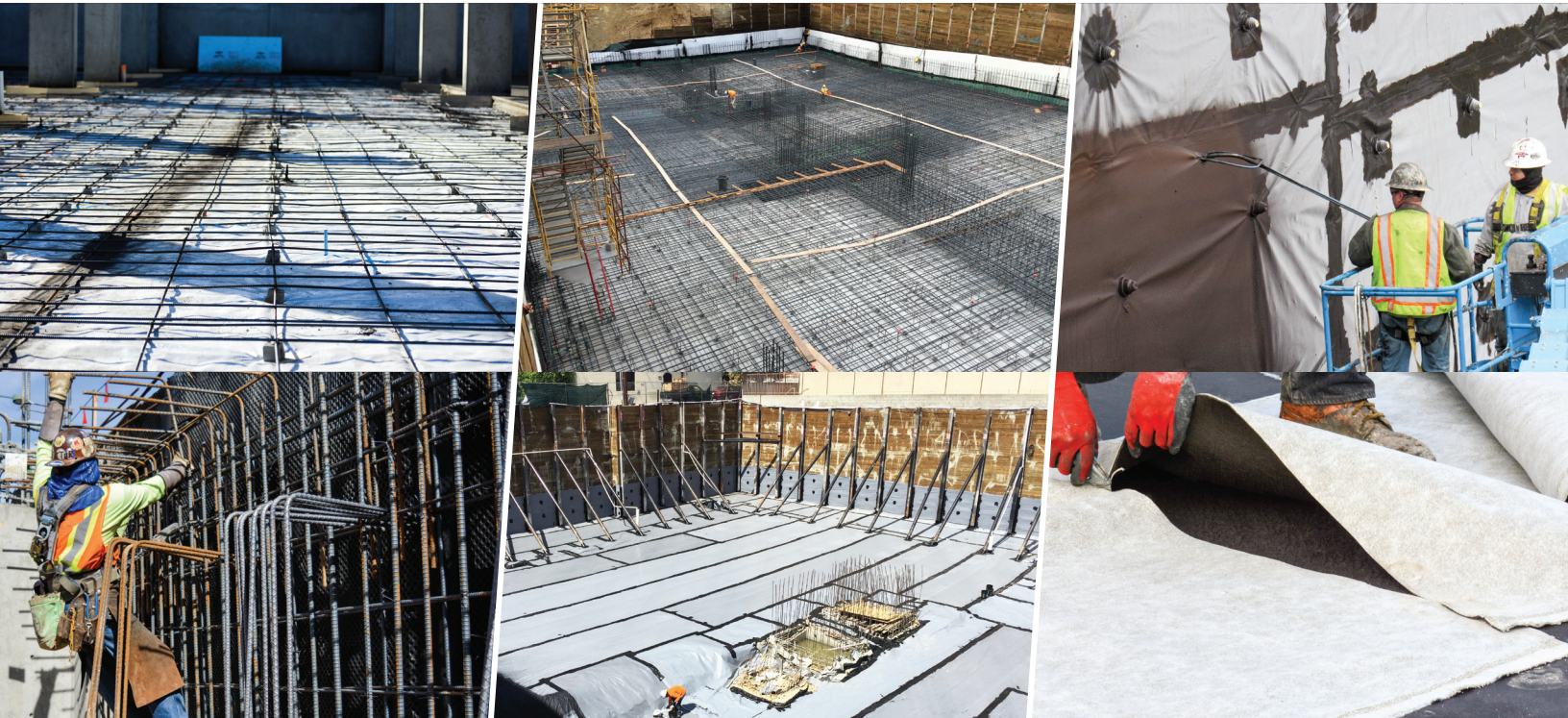
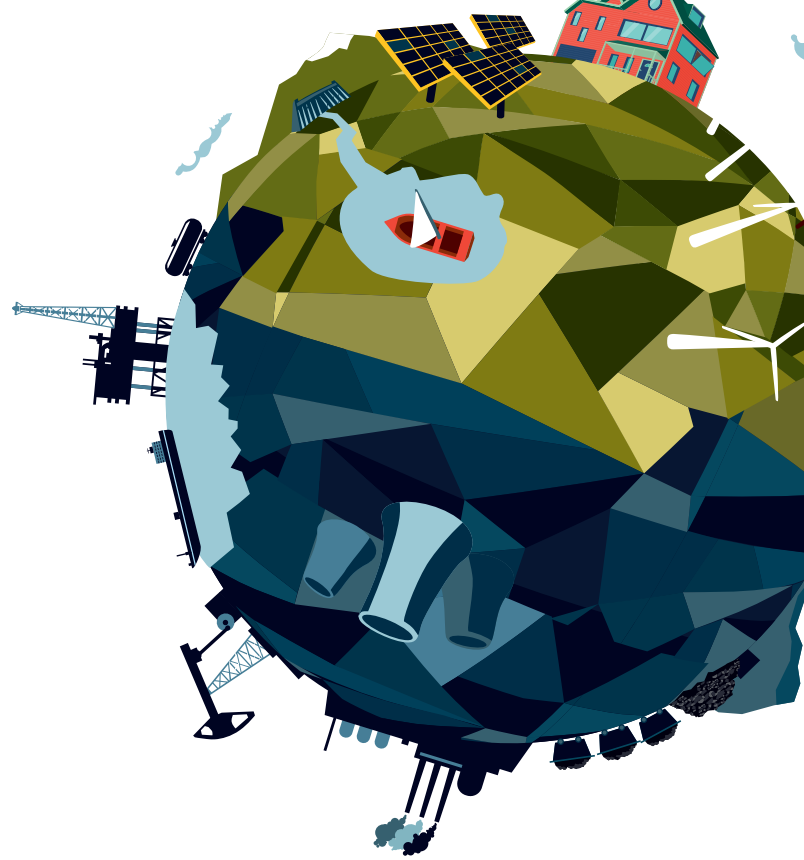
The E.Assurance warranty does not limit our financial responsibility, nor does our financial responsibility reduce over the warranty period. This warranty is a non-prorated, no-dollar-limit, labor and material warranty. If water ingress occurs, contact us so we can assess the issue and make the necessary repairs.

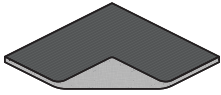
CONTAMINATED LAND

Buildings being constructed on sites with contaminated soil or groundwater present unique challenges to protecting the building envelope. Methane gas, petroleum hydrocarbons, and chlorinated volatile organic compounds (CVOC's) require building envelope systems to not only keep the building dry, but also safe from the ingress of unwanted gas or chemical vapor.

A vapor intrusion condition is created when contamination present in the subsurface migrates into structures built on, or adjacent to, contaminated land. Unlike slab on grade structures where membrane systems like Geo-Seal® are used to mitigate vapor intrusion, below grade structures present significantly more challenges. Below grade structures have complex foundations that utilize a myriad of different construction methodologies, which also raises the challenge of placing the building foundation closer to the contamination or actually in the contaminated water.

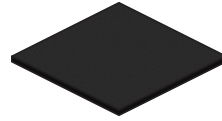
EPRO has a long history in preventing methane gas and contaminant vapor intrusion. Understanding how our products resist the chemicals of concern commonly found on brownfield sites helps us guide the project team in making decisions that keep building occupants safe and buildings dry.





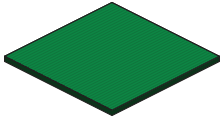
e.base 205 (Ecoshield-P)

18 mil geocomposite base course.



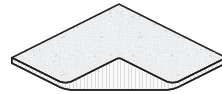
e.spray (Ecoline-S)

60, 80, or 100 mil polymer modified asphalt membrane.



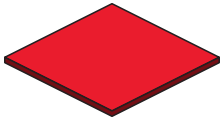
e.base 316 (Ecoshield-H16)

16 mil thermoplastic base course.



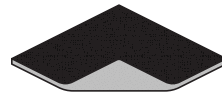
e.shield 205 (Ecoshield-PP)

18 mil geocomposite protection sheet.



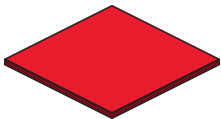
e.shield 110 (Ecoshield-E10)

10 mil polyolefin protection sheet.



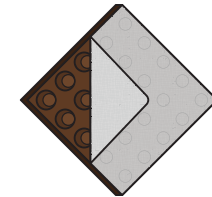
e.shield 205b (Ecoshield-PB)

80 mil geocomposite bentonite.



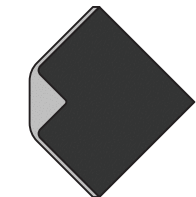
e.shield 115 (Ecoshield-E15)

15 mil polyolefin protection sheet.



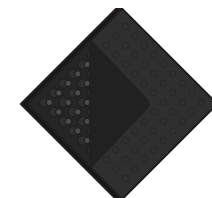
e.drain (Ecodrain-E)

Prefabricated drainage composite..



e.shield 110b (Ecoshield-EB)

80 mil geocomposite bentonite.



e.drain 6000 (Ecodrain-S6000)

Prefabricated drainage composite.

New E.Series Name

System Thickness

Old Epro System Name

.PROTECT+ Underslab

196 mils

System III - MBBH

.PROTECT+ Shoring

176 mils

System III - LWBH

.PROTECT+ Walls

160 mils

System III - CWB

.PROTECT+ Deck

136 mils

System III - BS (Modified)

.PROTECT Underslab

178 mils

System III - MBB

.PROTECT Shoring

178 mils

System III - LWB

.PROTECT Walls

95 mils

System III - CW (Modified)

.PROTECT Deck

135 mils

System III - BS

.PROFORMANCE Underslab

96 mils

System III - MB

.PROFORMANCE Shoring

90 mils

System III - LW/LWP

.PROFORMANCE Walls

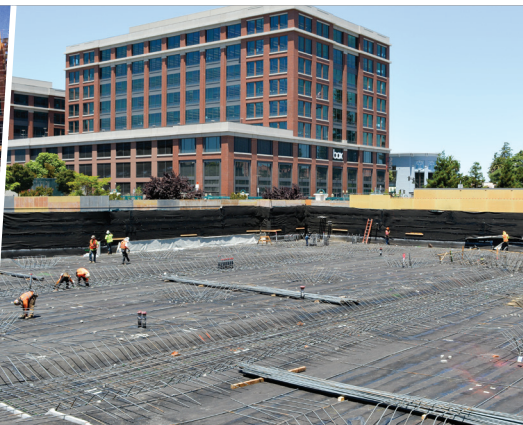
70 mils

System III - CW

.PROFORMANCE Deck

70 mils

System III - PW





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