



e.shield bb



Product Description

Basic Use: Horizontal to vertical below grade transitions are a critical point in any waterproofing assembly. e.shield bb provides an extreme layer of redundancy at crucial transition points for below grade horizontal to vertical transitions. This redundancy is used in addition to the specified E.Series system and will result in a greater than one quarter inch of foundation protection at the transition joint.

Composition: e.shield bb is a double layer of bentonite reinforce with a 20 mil layer of high density polyethylene.

Benefits

- Provides the ability to increase redundancy and strength at crucial areas of success
- Delivers additional self-sealing waterproofing capabilities to the composite system

Limitations

- Should be stored out of weather

Technical Data

Properties: See physical properties table

Coverages: Roll covers 50 square feet, not including overlaps or waste.

Specification Writer: Contact EPRO before writing specifications on this product. E.Series system assemblies should be reviewed in order to meet project specific site conditions.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for cosmetic damage prior to application. Secure e.hangers on substrate per manufacturer's recommendations.

Application: Please refer to manufacturer's specifications.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).

Roll Size: 3.5' x 14.3', 75 lbs.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Equipment

e.hangers are required to secure e.shield bb in place.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

This product was formally known as Ecoshield-BB.



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Typical Physical Properties

Physical Property	Test Method	Value
Reinforcement Membrane.....		HDPE
Reinforcement Membrane Thickness		20 mil
Bentonite		Sodium Montmorillonite
Weight.....		1.5 lb per ft ² (7.34 kg/m ²)
Puncture Resistance	ASTM E154	172 lb. (77.5 kg)
Membrane Tensile Strength	ASTM D638.....	MD: 3670 psi (31.3 MPa) TD: 3500 psi (29.9 MPa)
% Elongation at Break.....	ASTM D638.....	>700%
Peel Adhesion of Geotextile	ASTM C836.....	28 lb/in
Resistance to Hydrostatic Head	ASTM D5385.....	100 psi (231 ft)
Permeability	ASTM E96	0.024 perms (grains/ft ² hr in HG)
Resistance to Micro-organisms	ASTM E154	Unaffected
Toxicity		Non-Toxic
Freeze Thaw Cycles.....		No effect before or after installation
Chemical Resistance.....		Extremely High. Contact EPRO for specific information
Life Expectancy.....		Bentonite & HDPE measureable in the thousands of years
Installation Temperatures		-25°F to 150°F (-31.7°C to 54.4°C)

Dimensions: 3.5' X 14.3'

Weight: 75 pounds