



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

Epro e.base 205

Manufacturer: EPRO Services, Inc.

The following pages are the manufacturer's original document,
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e.base 205



Product Description

Basic Use: e.base 205 is designed to be a sturdy and versatile base course for E.Series pre-applied underslab and pre-applied shoring wall assemblies. Using EPRO's redundant field installed composite design concept, e.base 205 blends together the durability of a geotextile fabric with the waterproofing and chemical resistant benefits of an high density polyethylene (HDPE) sheet into one geocomposite membrane. When combined with e.spray and either e.shield 205 or e.shield 205b, redundant system options present project teams with robust options when keeping buildings dry and safe.

Composition: e.base 205 is a base course comprised of an HDPE film and non-woven polypropylene geotextile fabric. The film is cross laminated to create ridges that enhance the bond between the e.base 205 and e.spray.

Benefits

- Leverages the strengths of two materials to maximize performance
- Geotextile enhances thermal stability and puncture strength
- Ideal weight and rigidity for horizontal and vertical applications
- Provides waterproofing, methane gas, and chemical vapor protection

Limitations

- Not the most appropriate for sites with significant groundwater contamination
- Excessive moisture needs to be removed prior to e.spray application

Technical Data

Properties: See physical properties table

Coverages: One roll covers 1800 square feet, not including overlaps or waste

Specification Writer: Contact EPRO before writing specifications on this product. Additional test information available upon request.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. Rolls should be inspected for cosmetic damage prior to application.

Application: Please refer to manufacturer's specifications. Overlap the seams of e.base 205 six inches with a 30 mil application of e.spray in the seam overlap. e.poly reinforcement fabric shall be applied over the seam for all waterproofing applications.

Availability and Packaging

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

Roll Size: 12' x 150' unfolded rolls, 108 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

Seaming: AD-55 Sprayer, available through EPRO for application of e.spray in seam overlaps, or by hand using e.roll

Smoke Testing: EPRO Smoke Test Machine for underslab applications

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-P.



e.base 205

Typical Physical Properties

Physical Property	Test Method	Value
Film Material.....		HDPE
Film Color.....		Gray
Fabric Material.....		Non-woven Polypropylene
Fabric Color.....		White
Film Thickness.....		5 Mil
Composite Thickness.....		18 Mil
Tensile @ ULT	ASTM D882.....	TD: 32.0 lbs/in
		MD: 37.3 lbs/in
Elongation @ ULT	ASTM D882.....	TD: 65.3%
		MD: 51.0%
Dart Impact	ASTM D1709.....	Method A: >1070 grams
		Method B: 894 grams
Modulus	ASTM D882.....	TD: 270.6 lbs/in
		MD: 295.5 lbs/in
Elmendorf Tear	ASTM D1922.....	TD: 5,140 grams
		MD: 5,260 grams
Puncture-Prop Tear	ASTM D2582.....	TD: 13,250 grams Sled: 1-lb
		MD: 11,290 grams Sled: 1-lb
Beach Puncture Tear	ASTM D751.....	TD: 165 in-lbs
		MD: 160 in-lbs
Water Permeance	ASTM E96	0.11 perms (US)

Dimensions: 12' x 150'

Weight: 108 pounds