



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

Epro e.base 316

Manufacturer: EPRO Services, Inc.

The following pages are the manufacturer's original document,
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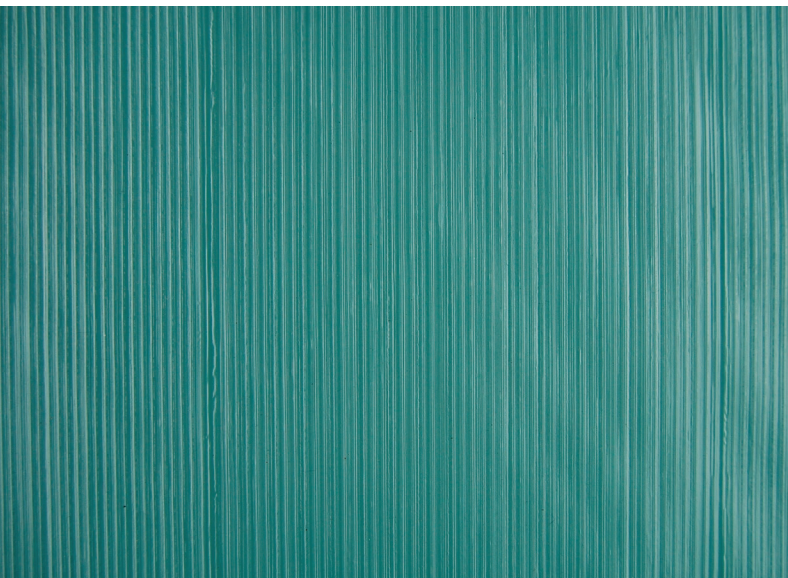
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e.base 316



Product Description

Basic Use: e.base 316 is a superior base course option for E.Series pre-applied underslab and pre-applied shoring assemblies for buildings that require the highest level of protection. Using EPRO's redundant field installed composite design concept, e.base 316 augments E.Series system assemblies by adding a thermoplastic membrane with heat welded seams to increase chemical resistance, waterproofing capabilities, and overall system robustness. Used as a key component in E.Protect+ assemblies, e.base 316 is also used as a redundant layer in horizontal podium deck applications.

Composition: e.base 316 is a 16 mil geomembrane comprised of high density polyethylene (HDPE). While e.base 316 is always installed as a component of EPRO's E.Series assemblies, it alone exceeds all Class A, B, and C vapor barrier requirements.

Benefits

- Excellent chemical resistance
- Large roll size drastically minimizes seams
- High puncture resistance protects waterproofing from a wide variety of substrates
- Impermeable to water when installed as part of the composite system

Limitations

- Should not be used as the sole means of building protection
- Additional weight should be used during application in windy conditions
- Excessive moisture must be removed prior to welding seams

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. 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. Calibrate hot air welder settings to create a continuous uniform weld that is free from deficiencies.

Application: Please refer to manufacturer's specifications. Overlap the seams of e.base 316 a minimum of 6" and then create uniform 1.5" hot air welded along the length of the seam.

Availability and Packaging

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

Roll Size: 12' x 150' unfolded rolls, 137 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

Welding Equipment: Leister Technologies GIBLI-AW hot air hand welder or an automated hot air welder similar to Leister Technologies VARIMAT V2 or equivalent

Tools: Heat resistant silicone seam roller, blunted point seam probe

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-H16.



e.base 316

Typical Physical Properties

Physical Property	Test Method	Value
Material.....		HDPE
Color		Green
Thickness		16 mil
Classification.....	ASTM E 1745.....	Exceeds Class A, B & C
Water Vapor Permeance.....	ASTM E 96	.029 perms
Tensile Strength	ASTM E 154 (ATSM D 882).....	63 lbf/in
Puncture Resistance	ASTM D 1709.....	2,750 grams Method B
Life Expectancy.....	ASTM E 154	Indefinite
Chemical Resistance.....	ASTM E 154	Unaffected

Dimensions: 12' x 150'

Weight: 137 pounds