

# VERTIWRAP™ NPS

## PRIMERLESS, SELF-ADHERED, WATER RESISTIVE NON-PERMEABLE AIR AND VAPOR BARRIER

### PRODUCT DESCRIPTION

VertiWrap NPS air barrier membrane prevents the passage of air, water vapor, and liquid water from entering the wall assembly. VertiWrap NPS locks moisture out of the wall assembly, increasing the wall durability and comfort of the building occupants. Primerless and Self-Adhered to a variety of substrates, including glass-mat exterior grade sheathing, for quick and easy install. VertiWrap NPS is compliant in a wide variety of NFPA 285 Wall Assemblies.

### FEATURES AND BENEFITS

- Impermeable to air, liquid water, and water vapor
- Primerless, airtight adhesion to glass mat sheathing down to 25°F
- Immediate resistance to wind-driven rain
- Fully adhered to substrate eliminating water migration
- Seals around fasteners used in brick ties, termination bars, etc.
- 6 months UV exposure
- NFPA 285 compliant in most wall assemblies
- AAMA 711 compliant detail tape available in 6", 9", 12" widths

### SYSTEM COMPONENTS

- VertiWrap VPS
- VertiWrap VPL
- VertiWrap NPL
- VertiSeal 50

### TECHNICAL DESCRIPTION

Property	Test Method	Typical Result
Color		White with Green Print
Thickness, nominal		12 mils
Application Temperature, min		+25°F (-3.9°C)
Water Resistance	ASTM E331	PASS @ > 15 psf
Water Resistance	AATCC TM127 Method B Option 2	PASS - 55 cm static water head for 5 hours without water leakage
Water Vapor Permeance	ASTM E96	< 0.1 perms
Air Leakage (Membrane)	ASTM E2178	< 0.02 L/s.m. <sup>2</sup>
Air Leakage through Assembly	ASTM E2357	< 0.2 L/s.m. <sup>2</sup>
Tensile Strength, Dry	ASTM D882	> 40 lbf / in per in width
Average Break Force, Dry	ASTM D5034	> 40 lb MD > 35 lb XD
Peel Adhesion to DensGlass <sup>1</sup>	ASTM D903	> 4.5 lbf/in
Lap Adhesion @ 25°F <sup>2</sup>	ASTM D903 Modified	> 4.5 lbf/in
Nail Sealability	ASTM D1970 Sec 8.9	PASS
Low Temperature Flexibility	AC38 Section 3.34	PASS
UV Exposure	AC38 Section 4.1.2	PASS
Flame Spread	ASTM E84	Class A
Smoke Developed	ASTM E84	Class A
NFPA 285	NFPA 285	PASS

1. At room temperature after 24 hours of conditioning at test temperature and pull speed of 6 in/min

2. At 25°F after 24 hours of conditioning at test temperature and pull speed of 6 in/min



### PRODUCT DATA

3' x 75' (0.9 m x 22.8 m)

225 ft<sup>2</sup>/roll (20.9 m<sup>2</sup>)

Weight per roll 15.1 lb (6.8 kg)

40 rolls per pallet

### APPROVALS & CERTIFICATIONS

- NFPA 285 Complaint
- 6", 9", and 12" widths all comply with AAMA 711

### WHERE TO USE

- Above grade walls
- Transition details
- Windows and doors

### PRODUCT CODES

- VertiWrap NPS 36" – VTWNPS3675
- VertiWrap NPS 12" – VTWNPS1275
- VertiWrap NPS 9" – VTWNPS0975
- VertiWrap NPS 6" – VTWNPS0675

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### STORAGE AND SHELF LIFE

12 month shelf-life if stored in its original packaging in a dry environment at a temperature between 40°F and 90°F (4°C and 32°C). Store VertiWrap NPS off the ground and protected from moisture.

### LIMITATIONS AND PRODUCT APPLICATION

Reference installation guide or contact Technical Service for limitations and proper application guidance.

### CORPORATE HEADQUARTERS

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Technical Service: (866) 794-9659

**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**Product Disclaimer:** Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit [www.polyglass.us](http://www.polyglass.us)