

**1. Product Name**

WallShield®

**2. Manufacturer**

HEADQUARTERS  
And WESTERN REGION  
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**3. Product Description**

**BASIC USE**

WallShield is a breathable (moisture-permeable), water-shedding membrane that provides high-performance vapor control and a secondary weather barrier engineered for commercial applications.

**COMPOSITION & MATERIALS**

WallShield is manufactured from 100% flash spun bonded, high-density polypropylene fabric. It is bonded by heat and pressure without binders or fillers into tough, durable sheets. WallShield has a triple-layered construction to achieve the ideal combination of performance characteristics. WallShield meets the following basic criteria: vapor permeable, water resistant, wind resistant, UV stabilized, rot proof, and tear resistant.

**SIZES**

WallShield  
• 59" x 164'

**4. Technical Data**

**APPLICABLE STANDARDS**

American Association of Textile Chemists & Colorists (AATCC)  
AATCC-127-Water Resistance: Hydrostatic Pressure Test.  
American Society for Testing & Materials (ASTM)  
• ASTM E84-00a Standard Test Method for Surface Burning characteristics of Building Materials  
• ASTM E96 for Water Vapor Transmission of Materials

ISO 5363:3 1992, Mean Air Permeance.

**APPROVALS**

- International Conference of building Officials (ICBO) Evaluation Report WallShield has met the criteria and is in the process of formal approval.

**5. Installation**

**DELIVERY & SITE HANDLING**

Rolls of WallShield are delivered to site individually wrapped in a polythene sleeve.

Rolls should be stored on a clean, level surface – either flat or upright – and kept under cover.

**WALLSHIELD INSTALL METHODS**

Always install WallShield green\* side out. For attachment to wood, insulated sheathing board or exterior gypsum board, fasten WallShield using nails with plastic washers or stainless steel staples (minimum 1" crown). For steel frame construction, use screws with washers.

**Step One**

Begin at a corner of the building, leaving approximately 6" - 12" of WallShield beyond the corner edge for later overlap. Hold roll vertically and unroll for a short distance. Make sure the roll is plumb and the bottom edge runs along the foundation line. Fasten the WallShield to the corner edge of the building.

**Step Two**

Best practice: bottom edge of the WallShield® should always extend over the sill plate interface, especially when a sill sealer is not being used. Secure the WallShield to the foundation with a polyurethane or latex-base joint sealer.

**Step Three**

Unroll a few feet of WallShield™ at a time. Be careful to follow line of foundation. Fasten the WallShield every 12" to 18" on the vertical studs.

**Step Four**

WallShield should be cut to cover the interface of the upper and lower top plates. WallShield on upper floors should overlap the WallShield on the lower floors by roughly 6".

**Step Five**

Refer to installation guide, utilizing simple rain screen construction for flashing window and door openings, when using WallShield.

**Step Six – Material Laps**

Tape is utilized if laps are less than 6" horizontally and 12" vertically. Please refer to installation instructions.

**PRECAUTIONS**

WallShield should be covered within nine months of installation. A complete installation guide is available.

Laying lightweight membranes in high wind conditions is difficult. Appropriate precautions should be taken during installation.

Attention to detail is important. Always look for and eliminate or mitigate blockages that could prevent the free drainage of water.

Contamination of WallShield chemicals with building site chemicals which make it more wettable (e.g., surfactants), adversely affects its water resistance and therefore its contribution to the water resistance of the overall wall system.

**6. Availability & Cost**

**AVAILABILITY**

WallShield is widely distributed throughout the United States.

**COST**

Contact your nearest VaproShield representative for local cost and delivery information.

*For more information or the name of your nearest representative, call:*

**1-866-731-7663**, toll-free from the United States, from 8AM-5PM (PST)..  
*You may also refer to*  
[www.vaproshield.com](http://www.vaproshield.com).

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**PHYSICAL PROPERTIES**

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Test & Method	WallShield Results
Water vapor transmission, ASTM E-96.00878 grains/ft <sup>2</sup> - 24 hours	
Permeance	212 perms
Permeability	595 perm inches
Water penetration resistance, AATCC-127	68 cm
	66.6 mbars
	0.97 psi
Mean air permeance, ISO 5363:3 1992	72.4 µm/P.s
Surface burning characteristics, ASTM E84-00a	
Flame Spread	Class A
Smoke Developed	Class A
Basis weight	5.16 oz/yd <sup>2</sup>
Thickness	0.0236"

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