



Breathable Membranes for Rainscreen Wall and Sloped Roof Systems

SRP AirOutshield™

Breathable Underlayment for Rain Screen Wall Systems

Description

A triple layer, spun bonded polypropylene, water resistant, breathable underlayment for rain screen wall systems.

Uses

As a secondary drainage plane, Weather Resistive Barrier (WRB) or air barrier behind rainscreen wall cladding systems including siding (Vinyl, wood, fibre cement, metal, brick) and shingles (metal, copper, zinc, cedar).

Features/Benefits

- High rate of breathability- *Allows moisture within the wall system to dry rapidly, thereby reducing potential for mould, mildew, rot, metal corrosion and reduced insulation thermal values.*
- Water Resistant- *Precipitation that enters the wall system is quickly routed away before it can damage insulation and other components.*
- Durable- *Tear, rip and puncture resistant reducing repairs and labour costs.*
- Polypropylene- *Provides superior resistance to the high temperatures typical of dark coloured cladding systems.*
- Self-cinching at fasteners- *Minimizes penetration point leaks and the need for sealant.*
- “Dries In” Building- *can be installed and left exposed for up to 4 months allowing construction to proceed efficiently.*
- For open joint panels with long term UV exposure use **SRP AirOutshield™UV BLACK**.

Packaging

SRP AirOutshield™

Roll size: 1.5m W x 50m L (59” W x 164’ L)

Gross Area per roll: 75m² (807ft²)

Weight: 9 kg (20lbs) per roll

Colour: Orange (top) and White (bottom)

System Accessories

SRP- 1” D.S. Seam Tape: Roll size 25mm x 15.24m (1” x 50’)

SRP- 4” Detail Tape: Roll size 100mm x 15.24m (4” x 50’)

SRP 60 UV Seam Seal Tape: Roll Size 60 mm X 25m (2.4”X 81’)

SRP Canada Inc.

www.srpcanada.ca

1-866-533-0233



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Compliances

Accepted as an underlay by wall system manufacturers. Consult with SRP and your system manufacturer.

Tested in accordance with CCMC Technical Guide 07 25 10.03 for “Sheathing, Membrane, Breather Type” and is listed by CCMC as 13549-R.

Tested to ICC-ES AC38 - Acceptance Criteria for Water-Resistive Barriers.

Physical Properties from an independent laboratory

Property	Test Method	Result
Nominal Weight		120g/m ²
Nominal Thickness		0.58mm
Colour		Top: Orange Bottom: White
Water Vapour Permeance	ASTM E96 Proc. A Dessicant Method @ 23°C	Original 8923 ng/Pa/s/m ² or 156.1 perms <u>UV and Heat Aged</u> 10,433 ng/Pa/s/m ² or 182 perms
Water Ponding UV and heat-aged samples	CCMC 07 25 10.03-2011	No leakage- Pass
Moisture Vapour Transmission Rate (MVTR)	BS 3177	Minimum 1500 gm/m ² / 24 hrs
Vapour Resistance	BS 3177	0.21 MNsg ⁻¹
Tensile Strength	ASTM D882 ASTM G154(UV)	Original 4.79 N/mm <u>UV and Heat Aged</u> 4.34 N/mm
Breaking Force	ASTM D5034	MD 345 N CD 252 N
Surface Burning Characteristics	ASTM E84	FSI 20 Class A SD 185 Class A
Low Temperature Flexibility	AC 38	Pass
Ultraviolet Exposure	AC 38	Pass
Accelerated Aging	AC 38	Pass
Water Ponding	AC 38	Pass
Air Permeance	ASTM 2178 per AC 38	0.0002 L/s-m ² @ 75 Pa (No Air Leakage)



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Application

For complete instructions refer to the detailed installation guide available at www.srpcanada.ca. SRP AirOutshield™ is installed under the primary wall cladding material with the printed side facing out. Install to form a continuous membrane over the entire wall area and to allow water to drain away from openings. Ensure there are no blockages that may obstruct the water flow. To optimize performance install a layer of ventilation Mat or battens over the SRP AirOutshield™ prior to installing the primary cladding material.

Precautions/Limitations

AirOutshield™ is not recommended for use under asphalt shingles.

Technical Assistance

SRP Canada Inc. 1-866-533-0233, www.srpcanada.ca

Short Form Specification (visit www.srpcanada.ca for a more detailed specification)

Breathable underlayment for rain screen wall systems: Triple layer, spun bonded polypropylene, breathable membrane with a nominal weight of 120 g/m², nominal thickness of 0.58mm and water vapour transmission 150 perms as per ASTM E96-95. SRP AirOutshield™ breathable underlayment by SRP Canada, 1-866-533-0233, www.srpcanada.ca

Warranty

The information, and in particular, the recommendations relating to the application and end-use of SRP Canada products, are given in good faith based on SRP Canada's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.srpcanada.ca.

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