



*Breathable Membranes for Rainscreen Wall and Sloped Roof Systems*

# SRP AirOutshield™ ROOF

## *Breathable Underlayment for Sloped Roofs*

### **Description**

A triple layer, spun bonded polypropylene, water resistant, breathable underlayment for sloped roofs.

### **Uses**

As a secondary drainage plane under roofing systems including metal, copper, zinc, slate, cedar, clay tile and other systems that require an underlayment.

### **Features/Benefits**

- High Breathability Rate - *Allows moisture within the roof system to dry rapidly, thereby reducing potential for mould, mildew, rot, and metal corrosion and reduced thermal insulation values.*
- UV Resistant- *Can be installed and left exposed for up to 120 days allowing construction to proceed efficiently. Cover product in accordance with the "Extreme Weather Statement" on the last page of this document.*
- Water Resistant - *Moisture entering the roof system is quickly diverted before it can damage insulation and other components.*
- Durable - *Tear, rip and puncture resistant reducing repairs and related labour costs.*
- Polypropylene - *Superior resistance to the high temperatures associated with typical dark coloured roofing systems.*

### **Packaging**

Product Code: AIR02

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

Gross Area per roll: 75m<sup>2</sup> (807ft<sup>2</sup>)

Weight: 12.8kg (28.2 lbs) per roll

Colour: Black (top) and Black (bottom)

### **System Accessories**

SRP 1" D.S. Seam Tape, Roll size 25mm x 15.24m (1" x 50')

SRP 60 UV Seam Seal Tape, Black: Roll size 60mm x 25m (2.36" X 81')

SRP 100 UV Seam Seal Tape Roll size 100mm x 25m (4" x 81')

### **Compliances**

Accepted by roof system manufacturers as an underlay. Consult SRP and your system manufacturer. Tested to AC188

### **Installation**

For complete instructions refer to the detailed installation guide available at [www.srpcanada.ca](http://www.srpcanada.ca). SRP AirOutshield ROOF is installed under the primary roofing material with the printed side facing up. Install to form a continuous membrane over the entire roof area and allow water to drain away from penetrations to the gutters. Ensure there are no blockages that may obstruct the water flow. **Tape all seams on slopes of less than 3:12 (25.0%) and where deemed necessary to resist wind driven rain.** To optimize performance, install a layer of ventilation mat or battens over the SRP AirOutshield ROOF prior to installing the primary roofing material.

### **Precautions/Limitations**

Not compatible with asphalt shingles.

**Not for use on roofs with slope less than 2:12 (16.7%).**

Staples are not recommended

### **Technical Assistance**

SRP Canada Inc. 1-866-533-0233,

[www.srpcanada.ca](http://www.srpcanada.ca)



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**Physical Properties**

Colour	Top Bottom	Black Black
Nominal Weight		170g/m <sup>2</sup>
Nominal Thickness		0.6 mm
Water Vapour Transmission	ASTM E96 Procedure A	6827 ng/Pa/s/m <sup>2</sup> (119 perms)
Moisture Vapour Transmission Rate (MVTR)	BS 3177	Minimum 1500 gm/m <sup>2</sup> / 24 hrs
Vapour Resistance	BS 3177	0.21 MNsg <sup>-1</sup>
Hydrostatic pressure	BS EN 20811	7160mm
Tensile Strength	MD CD	330 N/50mm 250 N/50mm
Burst Strength	BS 3137	708 kNm
<b>US Testing</b>		
Low/High Temperature Unrolling	ASTM D1970	Pass
Pliability	ASTM D226	MD- Pass XMD- Pass
Accelerated Aging	AC48 Section 4.7	Pass
Ultraviolet Exposure	AC48	Pass
Liquid Water Transmission	ASTM 4869	Pass

**Short Form Specification** (visit [www.srpcanada.ca](http://www.srpcanada.ca) for detailed specification)

Breathable underlayment for slate, tile, cedar and metal sloped roofing systems: Triple layer, spun bonded polypropylene, breathable membrane with a nominal weight of 170 g/m<sup>2</sup>, nominal thickness of 0.6 mm and water vapour transmission 119 perms as per ASTM E96-95. SRP AirOutshield ROOF breathable underlayment by SRP Canada, 1-866-533-0233, [www.srpcanada.ca](http://www.srpcanada.ca)

**EXTREME WEATHER STATEMENT FOR ROOFING APPLICATIONS**

As many areas are experiencing extreme weather conditions such as heavy and prolonged rainfall, "Best Building Practice" would suggest, and SRP Canada recommends, that AirOutshield ROOF be augmented with additional waterproofing materials (e.g., tarps) DURING THE CONSTRUCTION PHASE to ensure that interiors are protected until the primary roofing material is applied. Neither SRP Canada Inc. nor any of its affiliated companies, including product suppliers and manufacturers, shall be liable for damages, including but not limited to consequential damages, that result from water infiltration through AirOutshield ROOF during the construction phase.

**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](http://www.srpcanada.ca).

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