



Breathable Membranes for Rainscreen Wall and Sloped Roof Systems

SRP AirOutshield™ SA 280

Self Adhered, Breathable Underlayment for Rain Screen Walls and Sloped Roofing Systems

Description

SRP AirOutshield SA 280 is a robust, self-adhered, triple layer polypropylene micro-porous film laminate with a proprietary, full coverage acrylic vapor permeable adhesive.

Uses

Installed in walls and sloped roofs behind the primary water shedding surface, SRP AirOutshield SA 280 functions as the secondary drainage plane and air barrier.

Features/Benefits

- Self Adhered- *Simply “peel and stick” the product to any compatible substrate. This virtually eliminates the need for fasteners, tapes and sealants.*
- 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 90 days allowing construction to proceed efficiently. See the Extreme Weather Statement on page 3 of this document.*
- For open joint panels with long term UV exposure use **SRP AirOutshield™UV BLACK**.

Packaging

SRP AirOutshield™ SA 280

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

Gross Area per roll: 75m² (807ft²)

Weight: 24kg (53lbs) per roll

Colour: Red (top) and White (bottom)

System Accessories

AirOutshield SA 280 TAPE

Used for openings and penetrations.

Available in widths are 75mm, 100mm and 150mm.

SRP Canada Inc.

www.srpcanada.ca

1-866-533-0233



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Compliances

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

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

Physical Properties from an independent laboratory

Property	Test Method	Result
Nominal Weight		280g/m ²
Nominal Thickness		0.65mm
Colour		Top: Red Bottom: White
Application Temperature		Air and surface minimum, minus 6°C (+20°F)
Service Temperature		- 40°C to 100°C (- 40°F to 212°F)
Water Vapour Permeance	ASTM E96 Proc. B	2875 ng/Pa/s/m ² (50 perms)
Air Permeance	ASTM 2178 per AC 38	0.000134 L/s/m ² @ 75 Pa 0.0000263 cfm/ft ² @ 75 Pa
Air Barrier	ASTM E 2357.05 As tested on DensGlass Gold®, CMU Block	PASS 0.05 L/s/m ² <0.01 cfm/ft ²
Peel Adhesion	ASTM D3330	2707g/cm (37.6 oz/in)
Water Ponding UV and heat-aged samples	EN 1928	No leakage- Pass
Water Resistance	AATCC - 127	PASS 550mm head of water- 5 hours (22 in. head of water – 5 hrs)
Tensile Strength	ASTM D882	MD 394 N/50mm (44.8 lbf/in) CD 220 N/50mm (25.1 lbf/in)
Surface Burning Characteristics	ASTM E84	FSI 10 Class A SD 15 Class A



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Application

For complete instructions refer to the detailed installation guide available at www.srpcanada.ca. SRP AirOutshield™ SA 280 is installed under the primary wall cladding or sloped roofing material with the red side facing to the exterior. Install to form a continuous membrane over the entire area and to allow water to drain away from openings and penetrations. 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™ SA 280 prior to installing the primary roofing or cladding material.

Priming

AirOutshield SA 280 utilizes a proprietary adhesive, specifically designed for use on multiple substrates, in a wide range of temperatures, without the need of using an additional primer. Ensure the membrane is firmly pressed (rubber roller) and that the substrate is 'clean' (free from dirt, dust and surfactants). The use of a primer greatly reduces the 'breathability' of membranes with high water vapour permeance.

Precautions/Limitations

AirOutshield™ SA 280 is not recommended for use in roofs with slope less than 2:12, under asphalt shingles and do not expose to ultraviolet light, harmful weather exposures, physical abuse, flame, high heat sources, and chemicals including surfactants (soaps) and solvents. Remove mud and other substances using water only. If chemicals have been spilled on underlayment, remove and replace. Limit heavy foot traffic on roof and repair any damaged material due to traffic abuse.

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™SA 280** 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™SA 280** during the construction phase.

Technical Assistance

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

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

Self adhered, breathable underlayment for [sloped roofing] [rain screen wall systems]: Self Adhered, Triple layer, spun bonded polypropylene, breathable membrane with a nominal weight of 280g/m², nominal thickness of 0.65mm and water vapour transmission 2875 ng/Pa/s/m² (50 perms) as per ASTM E96-95 method B. SRP AirOutshield™ SA 280 self adhered 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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