

SRP AirOutshield™ SA 280

Self Adhered, Water Vapour Permeable, Air Barrier for Rain Screen Walls and Sloped Roofing Systems



DESCRIPTION

A self-adhered, triple layer polypropylene micro-porous film laminate with a proprietary, full coverage, vapour permeable adhesive.

USES

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

PACKAGING

Product Code: AIR04
Roll size (WxL): 1.45m x 50m (57" x 164')
Gross Area per roll: 72.5m² (780ft²)
Weight: 24kg (53lbs) per roll
Colour: Black (top) and Black (bottom)

SYSTEM ACCESSORIES

Flashing: AirOutshield SA280 Flashing 200 (TAP05)
Tape: SRP 60 UV Seam Seal Tape (TAP03)
SRP 100 UV Seam Seal Tape (TAP04)

COMPLIANCES

Provides an Air Barrier System in accordance with ASTM E2357 and CAN/ULC S742.

INSTALLATION

For complete instructions refer to the detailed installation guide available at srpcanada.ca. SRP AirOutshield™ SA 280 is installed under the primary wall cladding or sloped roofing material. 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.

PRECAUTIONS & LIMITATIONS

AirOutshield SA 280 is not recommended for use in roofs with slope less than 2:12 or for applications with long term UV exposure. For open joint panels with long term UV exposure use SRP AirOutshield™ UV BLACK (AIR03).



FEATURES & BENEFITS

Self Adhered: Simply "peel and stick" the product to any compatible substrate without the need for primer.

Air Barrier System: Achieves the highest rating possible (A1) in the most stringent air barrier assembly test; CAN/ULC S742.

Reliable Breathability: AirOutshield SA 280 provides consistent and reliable moisture vapour transmission rates as it is composed with a full coverage, vapour permeable adhesive. This reduces potential for moisture accumulation.

Water Resistant: Moisture entering the wall or sloped system is quickly diverted before it can damage insulation and other components.

Durable: Tear, rip and puncture resistant which reduces repairs and related labour costs.

High Temperature Resistance: Superior resistance to the high temperatures associated with typical dark coloured roofing and cladding systems.

"Dries In" Building: Can be installed and left exposed for up to 90 days allowing construction to proceed efficiently. *See the Extreme Weather Statement in this document.*

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PHYSICAL PROPERTY	TEST METHOD	RESULT
Nominal Thickness (Membrane)		0.60mm (24mils)
Colour		Top: Black, Bottom: Black
Air Permeance (Material)	ASTM 2178	< 0.02 L/s·m ²
Durability of the Air Barrier Material including exposure to Ultraviolet and Condensation ASTM G 154 and Heat Exposure 772 hours @ 50°C Annex A	CAN/ULC S741-08 Standard for Air Barrier Materials -Specification	PASS
Air Leakage Classification @75Pa (system)	CAN/ULC S742-11	A1 (the lowest air leakage) Performed with simple detailing
Air Leakage Resistance (System)	ASTM E2357	< 0.05 L/s·m ²
Water Vapour Permeance (Membrane Only)	ASTM E96 – A Desiccant ASTM E96 – B Water	1225.3 ng/Pa/s/m ² (21.4 perms) 1373.6 ng/Pa/s/m ² (24.0 perms)
Water Vapour Permeance (Applied to Glass Mat Gypsum Sheathing)	ASTM E96 – A Desiccant ASTM E96 – B Water	1055.8 ng/Pa/s/m ² (18.5 perms) 1078.3 ng/Pa/s/m ² (18.9 perms)
Flame Spread Rating (FSR)	CAN/ULC-S102	5
Smoke Developed Classification (SDC)	CAN/ULC-S102	15
Flame Spread Index (FSI)	ASTM E84	5
Smoke Developed Index (SDI)	ASTM E84	5
Tensile Strength	ASTM D1682 – MD ASTM D1682 – CD	105 lbf/in 75 lbf/in
Hydrostatic Pressure	BS EN 20811	7160mm
Application Temperature		Air and surface minimum, -6°C (+20°F)
Service Temperature		-40°C to 100°C (-40°F to 212°F)

PRIMING

The use of a primer greatly reduces the performance of membranes with high water vapour permeance. AirOutshield SA 280 utilizes a proprietary, full coverage, vapour permeable adhesive, specifically designed for use on multiple substrates. It can be installed 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).

SHORT FORM SPECIFICATION

Self adhered, vapour permeable air barrier for [rain screen wall systems] [sloped roofing]: Self adhered, triple layer, spun bonded polypropylene, membrane meeting requirements of CAN/ULC S741 and attaining a rating of A1 when tested to CAN/ULC S742, with a nominal weight of 200g/m², nominal thickness of 0.60mm and water vapour transmission 1373 ng/Pa/s/m² (24 perms) as per ASTM E96-95 method B. SRP AirOutshield™ SA 280 by SRP Canada.

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.

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.