

SRP AirOutshield™ SA 280

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

Description

A robust, self-adhered, triple layer polypropylene micro-porous film laminate with a proprietary, full coverage, 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 without the need for primer eliminating the need for fasteners, tapes and sealants.*
- Reliable breathability- *By using a full coverage, breathable adhesive AirOutshield SA 280 provides consistent and reliable moisture vapour transmission rates. This reduces potential for mold, mildew, rot, metal corrosion and reduced insulation thermal values.*
- 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.*
- Polypropylene- *Provides superior resistance to the high temperatures associated with typical dark colored 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

Product Code: AIR04

Roll size: 1.45m W x 50m L (57” W x 164’ L) Gross Area per roll: 72.5m² (780.00ft²) Weight: 24kg (53lbs) per roll

Color: Black (top) and Black (bottom)

System Accessories

SRP Tapes

Compliances

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

Priming

AirOutshield SA 280 utilizes a proprietary, full coverage, breathable 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). The use of a primer greatly reduces the 'breathability' of membranes with high water vapor permeance.

Precautions/Limitations

AirOutshield SA 280 is not recommended for use in roofs with slope less than 2:12.

Physical Properties

Property	Test Method	Result
Nominal Thickness (membrane)		0.60mm (24mils)
Colour		Top: Black Bottom: Black
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 – A Desiccant ASTM E96- B Water	719 ng/Pa/s/m ² (12.6 perms) 1373 ng/Pa/s/m ² (24.0 perms)
Hydrostatic pressure	BS EN 20811	7160mm
Tensile Strength	MD CD	330 N/50mm 250 N/50mm
Burst Strength	BS 3137	708 kNm
US Testing		
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

Installation

For complete instructions refer to the detailed installation guide available at www.uspunderlayment.com. 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.



Short Form Specification (visit www.uspunderlayment.com for detailed specification) Self adhered, breathable air barrier for [rain screen wall systems] [sloped roofing]: Self adhered, triple layer, spun bonded polypropylene, breathable membrane 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 Self Adhered Breathable Underlayment.

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 USP 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

USP 267-263-2308
www.uspunderlayment.com

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.uspunderlayment.com

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