SRP AirOutshield™ SA 280

Self Adhered, Water Vapor 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, vapor 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
Color: Red (top) and White (bottom)

SYSTEM ACCESSORIES

Flashing: AirOutshield SA 280 Flashing 200 (TAP05)
Tape: SRP 60 UV Seam Seal Tape (TAP03)
SRP 100 UV Seam Seal Tape (TAP04)
SRP HP Primer

COMPLIANCES

Compliant with;
ASTM 2357 Air Barrier Assemblies
CAN/ULC S741 Air Barrier Material
CAN/ULC S742 Air Barrier Assemblies
CCMC 07 25 10.03 and CAN/CGSB 51.32-M89-Sheathing, Membrane, Breather Type.

INSTALLATION

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

SRP AirOutshield™ SA 280 is installed under the primary wall cladding or sloped roofing material to form a continuous membrane over the entire area, allowing water to drain away from openings and penetrations.

PRECAUTIONS & LIMITATIONS

AirOutshield SA 280 is not for use in roof assemblies 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 vapor transmission rates as it is composed with a full coverage, vapor permeable adhesive.

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 labor costs.

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

"Dries In" Building: Can be installed and left exposed for up to 90 days allowing construction to proceed efficiently. Cover product in accordance with the "Extreme Weather Statement".

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PHYSICAL PROPERTY	TEST METHOD	RESULT
Nominal Thickness (Membrane)		0.60mm (24mils)
Color		Top: Red, Bottom: White
Air Permeance (Material)	ASTM 2178	< 0.02 L/s•m²
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
Sheathing, Membrane, Breather	CCMC 07 25 10.03 and CAN/CGSB 51.32-M	Properties are Compliant
Air Leakage Classification @75Pa (Assembly)	CAN/ULC S742-11	A1 (the lowest air leakage) Performed with simple detailing
Air Leakage Resistance (System)	ASTM E2357	< 0.05 L/s•m²
Nail Sealability	ASTM D1970 modified	Pass
Water Vapor Permeance (Membrane Only)	ASTM E96 – A Desiccant ASTM E96 – B Water	1225.3 ng/Pa/s/m² (21.4 perms) 1373.6 ng/Pa/s/m² (24.0 perms)
Water Vapor Permeance (Applied to Glass Mat Gypsum Sheathing)	ASTM E96 – A Desiccant ASTM E96 – B Water	1055.8 ng/Pa/s/m² (18.5 perms) 1078.3 ng/Pa/s/m² (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)

SHORT FORM SPECIFICATION

Self adhered, vapor 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 vapor transmission rate of 1373 ng/Pa/s/m² (24 perms) as per ASTM E96-95 method B. SRP AirOutshield™ SA 280 by SRP AirOutshield Inc.

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 AirOutshield 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 AirOutshield 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.