



BREATHABLE MEMBRANES

Water Vapour Permeable, Air Barriers
for Sloped Roofs & Rain Screen Wall Systems

"Let Your Building Breathe"

AirOutshield ROOF

AirOutshield WALL

AirOutshield SA 280

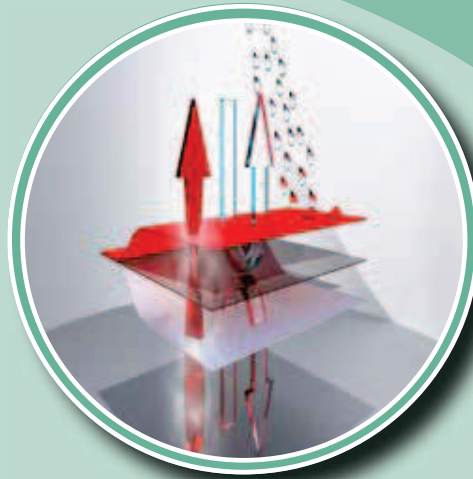
AirOutshield UV

The Need

The most important factor in building durability is the control of moisture accumulation in wall and roof assemblies. Moisture intrusion can result in reduced insulation performance, interior deterioration, mould, and structural damage. Every year the building industry in North America spends billions of dollars in litigation and repairs related to moisture intrusion.

Function

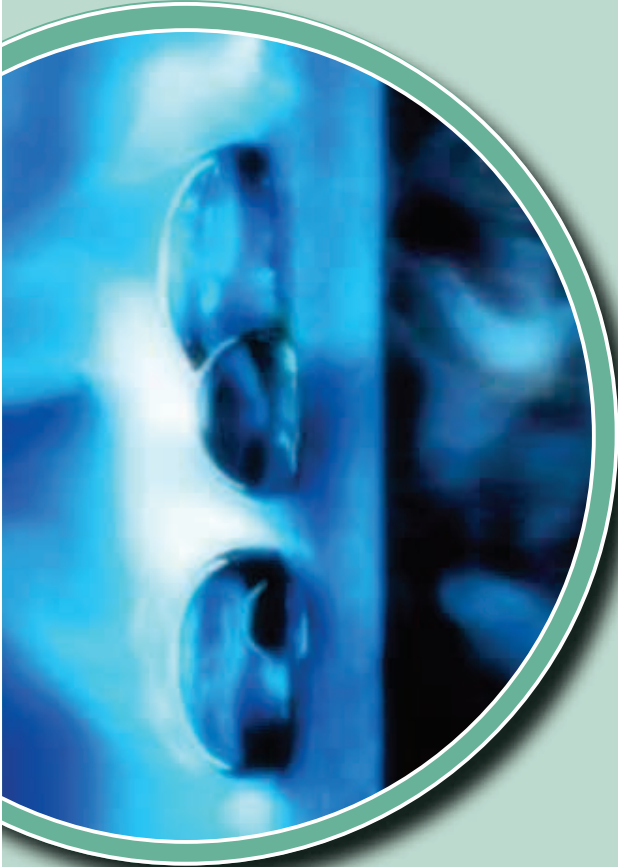
SRP breathable membranes are multi-layer, spun bonded materials that control moisture intrusion and accumulation in the wall and roof assembly. SRP membranes resist water and air penetration while allowing water vapour to escape.



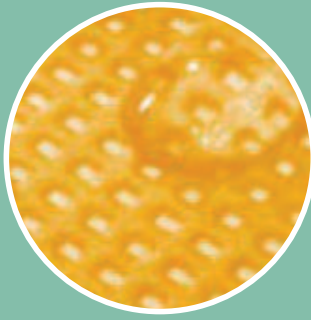
Cross section showing 3 distinct layers.

Why choose SRP Membranes?

- **Superior Moisture Vapour Transmission Rate (MVTR):**
With a MVTR of 1500 to 9200 ng/Pa/s/m² (or 26 to 160 perms), SRP membranes enable substrates and assemblies to dry faster than lower perm “breather” membranes. This reduces potential for deterioration and mould
- **Water Resistant:**
SRP membranes repel water that penetrates primary cladding or contacts the roof.
- **Air Barrier:**
SRP Canada AirOutshield membranes comply with National Building Code of Canada (NBCC) requirements for Air Barrier Materials. See installation guide for details.
- **Durable:**
Tear and puncture resistance reduces repairs and associated labour costs.
- **Self Cinching:**
SRP membranes seal around fasteners, reducing the need for sealants.
- **High Temperature Resistance:**
The polypropylene (PP) composition provides superior resistance to high temperatures.
- **UV Resistant:**
SRP membranes can be left in place and exposed to UV longer than other membranes, and the AirOutshield UV provides long term UV resistance for open joint panel systems.
- **Lightweight:**
SRP products are lighter and easier to handle than asphalt based membranes.
- **Slip Resistant:**
The textured finish is slip resistant.
- **Versatile:**
SRP breathable membranes can be installed behind most wall cladding systems and sloped roofs.
- **Systems Approach:**
SRP membranes are part of complete system that includes compatible tapes and accessories.

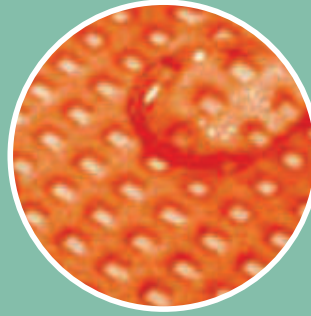


SRP membranes resist water and air penetration while allowing water vapour to escape.



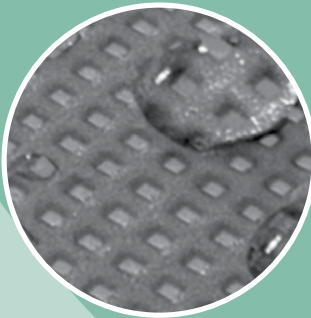
SRP AirOutshield WALL

A secondary drainage plane and air barrier behind rainscreen wall cladding systems; brick, siding (wood, fibre cement, metal), shingles (metal, copper, zinc, cedar).



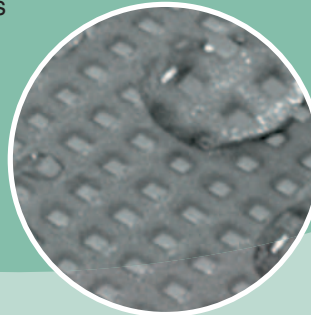
SRP AirOutshield SA 280

Self Adhered, Breathable Underlayment for Rain Screen Walls and Sloped Roofing Systems. Installed in walls and sloped roofs behind the primary water shedding surface, SRP AirOutshield SA 280 functions as the underlayment, secondary drainage plane and air barrier.



SRP AirOutshield UV


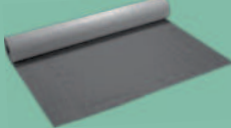

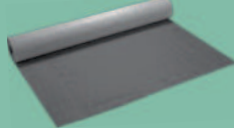















Weather resistant barrier providing a high level of breathability and long term UV resistance. Designed specifically for use with open jointed rain screen cladding systems including slotted wood siding, panel systems, and other "open joint" systems where resistance to UV exposure is needed.



SRP AirOutshield ROOF

Installed in sloped roofing systems as a highly breathable underlayment and secondary drainage plane. Ideal for use in insulated, sloped roofs covered with metal, clay, cedar and other systems requiring an underlayment or slip sheet.

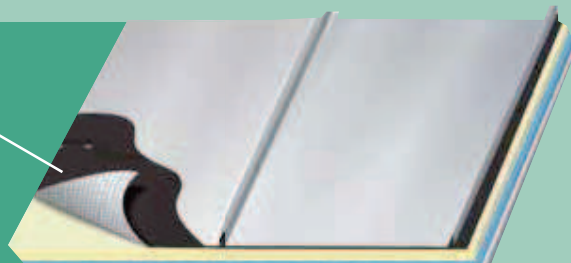
SELECTION CHART

	AirOutshield SA 280	SRP AirOutshield ROOF	SRP AirOutshield WALL	SRP AirOutshield UV
				
Product/Function				
Sloped Roofing				
Walls				
Drainage Plane				
Air Barrier				
UV Resistant; For Long Term				
Colour	Red	Black	Orange	Black
Roll Size	1.5m x 50m (59 in x 164 ft)	1.5m x 50m (59 in x 164 ft)	1.5m x 50m (59 in x 164 ft)	1.5m x 50m (59 in x 164 ft)

SLOPED ROOF APPLICATIONS



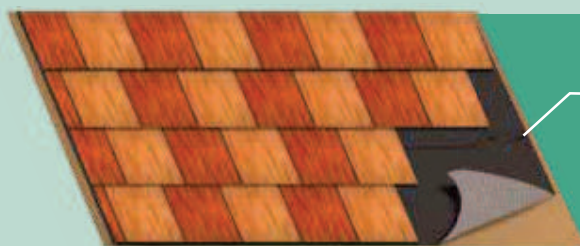
- Steel, Zinc, or Copper Roofing
- Ventilation Mat (Optional)
- SRP AirOutshield ROOF or AirOutshield SA 280
- Insulation
- Vapour Barrier
- Metal or Plywood Deck



- Slate Roof
- Ventilation Mat (Optional)
- SRP AirOutshield ROOF or AirOutshield SA 280
- Sheathing
- Insulation
- Vapour Barrier



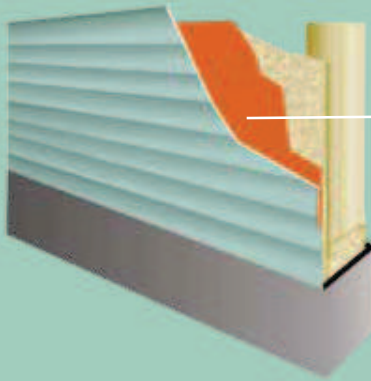
- Clay or Concrete Tile
- Ventilation Mat (Optional)
- SRP AirOutshield ROOF or AirOutshield SA 280
- Sheathing
- Insulation
- Vapour Barrier



- Cedar Roofing
- Ventilation Mat
- SRP AirOutshield ROOF or AirOutshield SA 280
- Sheathing
- Insulation
- Vapour Barrier



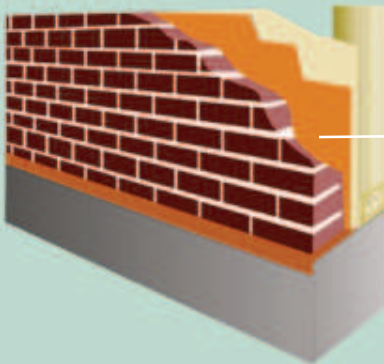
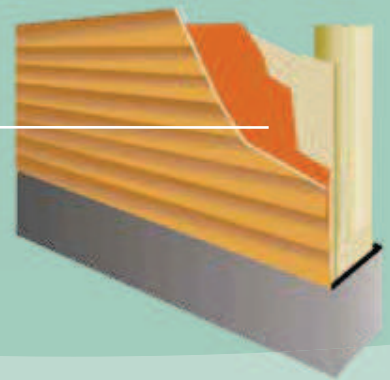
WALL APPLICATIONS



- Siding; Cement Board, Vinyl, Aluminum, Wood Composite
- Ventilation Mat (Optional)
- SRP AirOutshield WALL or AirOutshield SA 280
- Exterior Sheathing and Insulation
- Vapour Barrier



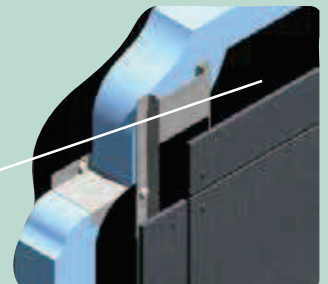
- Metal Cladding; Zinc, ACM (Aluminum Composite Material) Copper, Steel
- Ventilation Mat (Optional)
- SRP AirOutshield WALL or AirOutshield SA 280
- Exterior Sheathing and Insulation
- Vapour Barrier



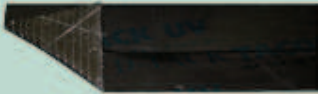
- Masonry; Brick, Stone or Masonry Veneer
- Ventilation Mat or Air Space
- SRP AirOutshield WALL or AirOutshield SA 280
- Exterior Sheathing and Insulation
- Vapour Barrier



- Open Jointed, Ventilated Rain Screen cladding Systems
- Cement Board, HPL Panels, Wood Slats and other Open Jointed Systems
- Ventilation Mat or Air Space
- SRP AirOutshield UV (Black)
- Exterior Sheathing and Insulation
- Vapour Barrier



ACCESSORIES



SRP 60 UV Seamseal Tape
UV Resistant

Roll Size: 60mm x 25m
(2.4" x 81')
Colour: Black



SRP 100 UV Seamseal Tape
UV Resistant, Split Liner

Roll Size: 100mm x 25m
(4" x 81')
Colour: Black



SRP D.S. TAPE
Double Sided Tape

Roll Size: 25mm x 15.24m
(1" x 50')
Colour: Grey



AirOutshield SA 280 Tape
Use in conjunction with
AirOutshield WALL.

Roll Width: (50, 100, 150mm)
Roll Length: 50m
Colour: Red



Dome Construction with AirOutshield SA 280



Wood Frame Construction with Brick Veneer Cladding



AirOutshield Roof
under standing seam metal roofing



AirOutshield ROOF
under copper roofing



AirOutshield ROOF
under cedar shingles

AirOutshield UV behind open joint
rainscreen panels



RESOURCES

The following items can
be sourced from our website:
www.srpcanada.ca

Technical Data Sheets
Installation Guides
Guide Specifications
Detail Drawings