

# REDZONE

## AIR / WATER BARRIER MEMBRANE

TECHNICAL DATA SHEET  
**160104RCAN2E**  
(supersedes -150924RCAN3E)

### DESCRIPTION

**RED ZONE** Air / Water Barrier Membrane is a self-adhesive membrane composed of SBS modified bitumen and a trilaminate woven polyethylene facer. The self-adhesive underface is covered with a silicone release paper.

The **RED ZONE** Air / Water Barrier Membrane can fulfilled multiple needs such as:

- Waterproofing and air barrier details around windows, doors and any other openings.
- Crack repairs and waterproofing.
- Brick flashing, roof flashing and other building details.

### APPLICATION CONDITIONS

- **Rolls of 4 in. x 50 ft. up to 18 in. x 50 ft.:**  
 -10 °C (14 °F) and more
- **Rolls of 36 in. x 50 ft.:**  
 Summer Grade: 10 °C (50 °F) and more  
 Winter Grade: -10 °C (14 °F) and more

### PROPERTIES

Properties	Standards	RED ZONE	
Thickness	-	1.0 mm	40 mil
Surface	-	Trilaminate woven polyethylene	
Underface	-	Silicone release paper	
Tensile strength, MD/XD	ASTM D5147	13.1 / 9.6 kN/m	74 / 55 lb/in
Ultimate elongation, MD/XD	ASTM D5147	40 / 25 %	
Ultimate elongation, MD/XD (bitumen)	ASTM D5147	> 1000 %	
Puncture resistance	ASTM E154	575 N	129 lbf
Tear resistance, MD/XD	ASTM D5147	535 / 245 N	120 / 55 lbf
Cold temperature flexibility	ASTM D5147	-35 °C	-31 °F
Lap adhesion	ASTM D1876	2 100 N/m	12 lbf/in.
Peel resistance - on primed gypsum	ASTM D903	1 180 N/m	7 lbf/in
Water Vapour Permeance	ASTM E96 (Procedure B)	< 2.1 ng/Pa•s•m <sup>2</sup>	< 0.037 perm
Air Permeability, 75 Pa	ASTM E2178	< 0.0005 L/sec•m <sup>2</sup>	< 0.00001 cfm/ft <sup>2</sup>
Resistance to gust wind load	ASTM E330 (3000 Pa – 10 s)	No delamination or variation in the air permeability	
Resistance to uniform static air pressure	ASTM E330 (100 Pa – 1 h)	No delamination or variation in the air permeability	
Fire resistance	Component of an assembly tested in conformity with NFPA 285	Pass	
Air leakage resistance	ASTM 2357	Pass	
Air leakage rate classification	CAN/ULC S742	A1	
Nail Sealability	ASTM D1970 modified	Pass	

(All values are nominal)



# REDZONE

AIR / WATER BARRIER MEMBRANE

TECHNICAL DATA SHEET  
160104RCAN2E  
(supersedes -150924RCAN3E)

## APPLICATION CONDITIONS

Apply to dry and clean surface, free of oil, grease or residue.

The use of a primer is recommended for dusty or porous surfaces. Use a sample to verify adhesion on the substrate prior to the installation. If superior adhesion is required, apply a coat of **RESISTO H<sub>2</sub>O PRIMER** or **EXTERIOR PRIMER** before installing the membrane.

**NOTE:** Primers take longer time to dry if installed near the prescribed installation temperatures. Ensure to allow enough time for primer to dry prior to install the **RED ZONE**.

Over surfaces such as OSB, concrete, gypsum or fibreglass structural panels, use of **H<sub>2</sub>O PRIMER** or **EXTERIOR PRIMER** is strongly suggested.

**RED ZONE** could usually be applied over a caulking bead such as polyurethane or butyl provided they are fully cured. It is recommended however to test it and ensure their compatibility prior to full application of the membrane.

Polyurethane foam can be sprayed directly onto **RED ZONE**. However, membrane should be mechanically fastened to the substrate using a termination bar to junctions, window or door frames, endings, and on the perimeter of the building.

## PACKAGING

Boxes of 50 ft rolls (approximately), available in widths of:

- 10 cm (4 in.)    ○ 15 cm (6 in.)    ○ 23 cm (9 in.)
- 30 cm (12 in.)    ○ 46 cm (18 in.)    ○ 91 cm (36 in.)

## LIMITATIONS

**RED ZONE** must be protected from UV prior its installation and is not intended to be left exposed more than 90 days. Must not be in contact with flexible PVC or other material containing plasticizers. In applications where the membrane could remain exposed for a longer time, use the **ALUMINUM WATERPROOFING MEMBRANE**.

