

RED ZONE

Air / Water Barrier Membrane

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

Temperature:

- **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 mils
Top face	-	Trilaminate woven polyethylene	
Underface	-	Silicone release paper	
Tensile strength, MD/XD	ASTM D5147	11.3 / 15.4 kN/m	64 / 88 lb/in
Tensile strength, MD/XD	ASTM D412	11.2 / 13.1 MPa	
Ultimate elongation, MD/XD	ASTM D5147	40 / 25 %	
Ultimate elongation, MD/XD	ASTM D412	88 / 55 %	
Static puncture	ASTM D5602	400 N	90 lbf
Static puncture	ASTM E154	747 N	168 lbf
Tear resistance, MD/XD	ASTM D5601	375 / 400 N	84 / 90 lbf
Cold temperature flexibility	ASTM D5147	-35 °C	-31 °F
Lap adhesion	ASTM D1876	2 000 N/m	11.4 lbf/in.
Peel resistance	ASTM D903	2 800 N/m	16 lbf/in.
Water absorption	ASTM D5147	0.1 % max	
Water Vapour Permeance	ASTM E96 (Procedure B)	0.90 ng/Pa·s·m ²	0.016 perm
Air Permeability	ASTM E283 (75 Pa)	< 0.0003 L/sec·m ²	5.8 · 10 ⁻⁵ ft ³ /min·ft ²
Air Permeability	ASTM E2178	0.0013 L/sec·m ²	0.00025 cfm/ft ²
Resistance to gust wind load	ASTM E330 (3000 Pa – 10 s)	No delamination or variation in the air permeability	
Resistance to sustained wind load	ASTM E330 (100 Pa – 1 h)	No delamination or variation in the air permeability	

(All values are nominal)

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 H₂O 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 **H₂O PRIMER** or **EXTERIOR PRIMER** is strongly suggested.

Adhesion of **RED ZONE** is usually good over caulks & sealants such as polyurethane, silicone or butyl provided they are fully cured. It is recommended however to test it 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.

*Application at -4 °C (25 °F) & more, product temperature should be at least 10 °C (50 °F) **Application at -10 °C (14 °F) & more

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 is not intended to be left exposed more than 90 days. Must not be in contact with flexible PVC. In applications where the membrane could remain exposed for a longer time, use the **ALUMINUM WATERPROOFING MEMBRANE**.



NOTE: RESISTO may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.