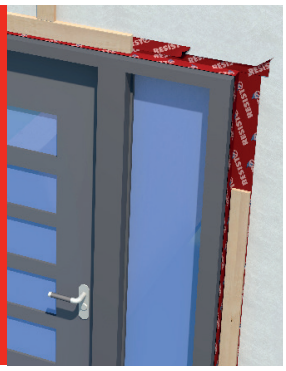
RESISTO

AIR AND VAPOR BARRIER MEMBRANE

REDZONE



This produtc is a 1 mm (40 mils) self-adhesive membrane composed of elastomeric bitumen and trilaminate woven polyethylene. The underface is composed of a silicone release film. It provides air and vapour sealing around doors and windows and other construction details.

- Self-adhesive: quick, cost-effective and easy installation
- Self-sealing
- Meets door and window installation standards (CSA A440.4-07)

PRODUCT PURPOSE

Application	Waterproofing	
Building Part	Roofing	Door and window frames
	Other	
Substrates	OSB	Concrete
	Gypsum	Plywood
	Plywood	

PRODUCT CHARACTERISTICS

Technologie	SBS modified bitumen
Surface	Trilaminate woven polyethylene
Underface	Silicone release paper
Installation Method	Self-adhesive
Operating Temperature	-45 °C to 90 °C (-49 °F to 194 °F)
Maximum exposure	90 days

PACKAGING

Code	Width		Length		Thickness		Selvedge Width	Net Area		Brute Area		Quantity (per pallet)
	cm	in	m	ft	mm	mils	mm	m^2	ft^2	m^2	ft^2	
17730	10	4	15	50	1	40		1.50	16.15	1.50	16.15	324
17731	15	6	15	50	1	40		2.25	24.22	2.25	24.22	216
17732	23	9	15	50	1	40		3.45	37.14	3.45	37.14	144
17733	30	12	15	50	1	40		4.50	48.44	4.50	48.44	108
17734	46	18	15	50	1	40		6.75	72.66	6.75	72.66	72

PROPERTIES

Propriétés	STANDARDS	REDZONE
Tensile strength, MD/XD	ASTM D5147	13.1 / 9.6 kN/m (74 / 55 lbs/in)
Ultimate elongation, MD/XD	ASTM D5147	40 / 25%
Ultimate elongation, MD/XD (bitumen)	ASTM D5147	> 1000%
Puncture resistance	ASTM D5147	535 / 245 N (120 / 55 lbf)
Cold temperature flexibility	ASTM D5147	-35 °C (-31 °F)
Tear resistance, MD/XD	ASTM E154	575 N (129 lbf)
Lap adhesion	ASTM D1876	2100 N/m (12 lbf/in)

(All values are nominal)

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PROPERTIES (CONTINUED)

Propriétés	NORMES	REDZONE
Peel resistance - on primed gypsum	ASTM D903	1180 N/m (7 lbf/in)
Water Vapor Permeance	ASTM E96 (Procedure B)	< 2.1 ng/Pa•s•m² (< 0.037 perm)
Air Permeability, 75 Pa	ASTM E2178	< 0.0005 L/s•m² (< 0.00001 cmf/ft²)
Resistance to gust wind load	ASTM E330 (3000 Pa-10s)	No delamination or variation in the air permeability
Resistance to uniform static air pressure	ASTM E330 (100 Pa-1h)	
Fire resistance	Component of an assembly tested in conformity with NFPA 285	Pass
Air leakage resistance	ASTM E2357	Pass
Air leakage rate classification	CAN/ULC S742	A1
Nail Sealability	ASTM D1970 modified	Pass

COMPLIES TO ASTM D1970 AND CSA A440.0-07
(All values are nominal)

INSTALLATION

Storage	Rolls should be stored upright.

Minimum Application Temperature	-10 °C (14 °F). Can be stored at temperatures below the prescribed application temperature, but must be restored to the minimum installation temperature 50 °F (10 °C) for 24 hours before use.	
Complementary products	EXTERIOR PRIMER	**OR** H_2O PRIMER
	REDZONE CORNER	**AND** ELASTOMERIC SEALER

Tools Required		Smoothing roller		Knife
		Tape measure		Paint brush
		Roller		

Surface Preparation	The substrate must be clean, dry and free of dust, grease or other contaminants.
Installation	1. If conditions require or if the membrane is not covered within 24 hours of installation, prepare the substrate with EXTERIOR PRIMER or H_2O PRIMER. The primer is dry, when tacky but not messy to the touch. On a rough surface (ex .: asphalt shingles), it is recommended to use the ELASTOMERIC SEALER rather than the primer to promote adhesion. 2. Cut the tape and properly position it on the surface to cover. 3. Remove the top of the silicone release film a 10 cm (4 in) surface and press the membrane, taking care to align. 4. Use a heavy roller to apply pressure on the membrane to ensure adhesion. 5. Remove the silicone release paper gradually, while ensuring that the membrane is completely adhered to prevent air pockets and creases. 6. Use a heavy roller to apply pressure to the entire membrane to ensure adhesion. 7. Each time a corner is to be covered with a REDZONE membrane, a gusset (small piece of cut membrane), or a REDZONE CORNER must first be applied to seal the corner.
Tricks / Tips	Urethane can be sprayed on top of REDZONE. Note that, when urethane is applied to joints, door frames or window, ends, and the building perimeter, the membrane must be mechanically fastened to the support beforhand by means of a metal bar provided for this purpose. On OSB surfaces, wood, concrete, gypsum or support panels coated with fiberglass, the use of a primer is always required.

Recommendations/Limitations	It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride.

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM