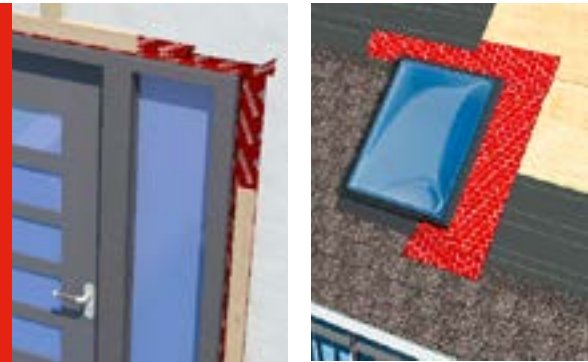


## AIR AND VAPOR BARRIER MEMBRANE

### REDZONE PRO



Self-adhesive through-wall membrane designed for commercial construction. It is compatible with the use of spray polyurethane foam insulation and can also be used as a masonry flashing, transition membrane and waterproofing membrane around openings.

- Excellent adhesion to various substrates
- Easy Installation
- Self-sealing

#### PRODUCT PURPOSE

Concrete	Application	
Building Part	Walls	Other
Substrates	OSB	Concrete
	Gypsum	Brick

#### PRODUCT CHARACTERISTICS

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

#### PACKAGING

Code	Width		Length		Thickness		Selvedge Width	Net Area		Brute Area		Quantity (per pallet)
	cm	in	m	ft	mm	mils		m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	
1730009	10	4	22.9	75	1	40		2.29	24.65	2.29	24.65	216
1730006	15	6	22.9	75	1	40		3.44	36.97	3.44	36.97	144
1730004	23	9	22.9	75	1	40		5.27	56.69	5.27	56.69	96
1730003	30	12	22.9	75	1	40		6.87	73.95	6.87	73.95	72
1730002	45	18	22.9	75	1	40		10.31	110.92	10.31	110.92	45
14005	91	36	22.9	75	1	40	50	19.69	211.98	20.84	224.31	36

#### PROPERTIES

Properties	STANDARDS	REDZONE PRO
Tensile strength, MD/XD	ASTM D5147	13.1 / 9.6 kN/m (74 / 55 lbf/in)
Ultimate elongation, MD/XD	ASTM D5147	40 / 25%
Ultimate elongation, MD/XD (bitumen)	ASTM D5147	> 1000%
Tear resistance, MD/XD	ASTM D5147	535 / 245 N (120 / 55 lbf)
Cold temperature flexibility	ASTM D5147	-35 °C (-31 °F)
Dynamic puncture	ASTM E154	575 N (129 lbf)

(All values are nominal)






## REDZONE PRO

### PROPERTIES (CONTINUED)

Properties	STANDARDS	REDZONE PRO
Lap adhesion	ASTM D1876	2100 N/m (12 lbf/in)
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•m <sup>2</sup> (< 0.037 perm)
Air Permeability, 75 Pa	ASTM E2178	< 0.0005 L/s•m <sup>2</sup> (< 0.00001 cmf/ft <sup>2</sup> )
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

(All values are nominal)  
COMPLIES TO ASTM D1970

### INSTALLATION

Storage	Rolls should be stored upright. If the products are stored outdoors, cover them with an opaque protective cover after removing the delivery packaging.		
Minimum Application Temperature	-10 °C (14 °F)		
Complementary Products	EXTERIOR PRIMER	<b>OR</b> H <sub>2</sub> O PRIMER	
		<b>AND</b> 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	<ol style="list-style-type: none"> <li>Using a brush or roller, apply EXTERIOR STICK PRIMER or H<sub>2</sub>O on the surface. The primer is dry, when it is tacky but not messy to the in touch.</li> <li>Remove the silicone release paper and press the membrane, taking care to align.</li> <li>Use a heavy roller to apply pressure to the entire membrane to ensure adhesion.</li> <li>Remove the silicone paper gradually, while ensuring that the membrane is completely adhered to prevent air pockets and creases.</li> <li>Use ELASTOMERIC SEALER to seal the details, inside joints and critical areas. For window frames, use a compatible sealer.</li> </ol>		
Recommendations/ Limitations	It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride.		

