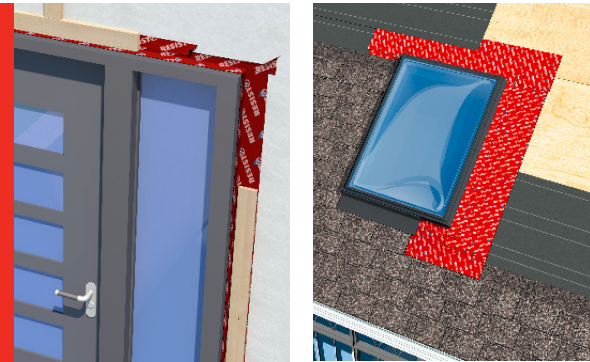


## REDZONE PRO

### AIR BARRIER | VAPOR BARRIER



Self-adhesive through-wall membrane designed for light 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 | mm             | 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%                          |
| 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)                  |

(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 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/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)

### 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  | OR H <sub>2</sub> O PRIMER   |  |
|                                 |  | 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                    | <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.  |  |  |

