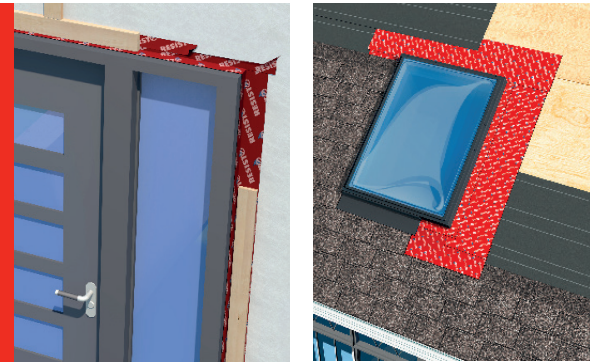


## AIR AND VAPOR BARRIER MEMBRANE

### REDZONE



This product 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 |                | m <sup>2</sup> | ft <sup>2</sup> | m <sup>2</sup> | ft <sup>2</sup> |                       |
| 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)

## REDZONE

### 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•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   |
| Water Resistance                          | ASTM D779   | Pass (>24 hours)   |





COMPLIES TO ASTM D1970, AAMA 711 AND CSA A440.0-19  
(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 | <b>OR</b> H <sub>2</sub> O PRIMER |
|                        | REDZONE CORNER  | <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>If conditions require or if the membrane is not covered within 24 hours of installation, prepare the substrate with EXTERIOR PRIMER or H<sub>2</sub>O 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.</li> <li>Cut the tape and properly position it on the surface to cover.</li> <li>Remove the top of the silicone release film a 10 cm (4 in) surface and press the membrane, taking care to align.</li> <li>Use a heavy roller to apply pressure on the membrane to ensure adhesion.</li> <li>Remove the silicone release paper gradually, while ensuring that the membrane is completely adhered to prevent air pockets and creases.</li> <li>Use a heavy roller to apply pressure to the entire membrane to ensure adhesion.</li> <li>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.</li> </ol> |
|--------------|---|

|               |  |
|---------------|--|
| 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 beforehand 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. |
|-----------------------------|---|

