

SUREBOND EPDM INFO & APPLICATION GUIDE

Description

SUREBOND EPDM is a non-reinforced calendared single-layer roofing membrane made of EPDM which provides superior durability, excellent low temperature properties, high puncture resistance, and a long service life. A fleeced-back version and a variety of roll sizes are available along with a range of complementary ancillary products.

Application

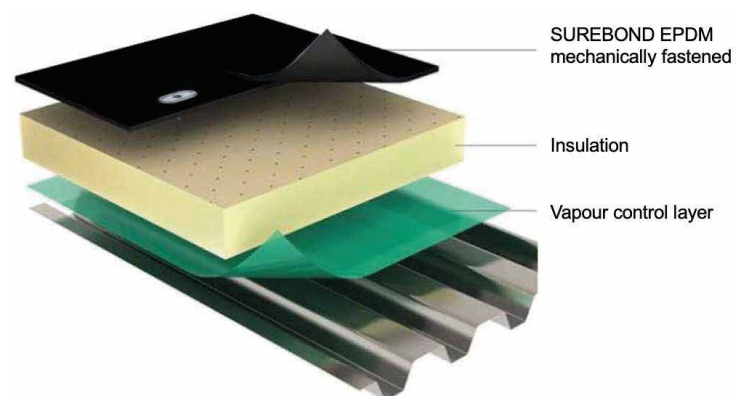
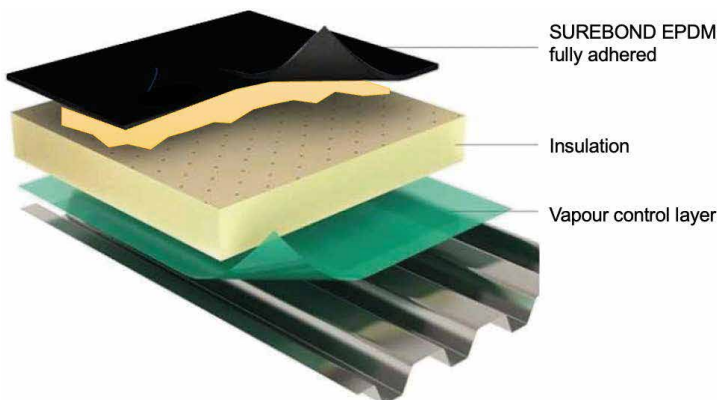
SUREBOND EPDM is a cold-applied product, reducing risks associated with hot works and can be used in ballasted, fully adhered, and mechanically attached systems in both new construction and renovation projects. Ideal for small roofs using single sheets without any overlaps or large construction projects using multiple sheets. The overlaps are joined using approved seam tapes and cover tapes, in conjunction with primers and other accessories where necessary.



Benefits

✔ Superior cold-weather performance	✔ High flexibility and elongation in any climate
✔ Dimensionally stable	✔ Sustainable and environmentally friendly
✔ High puncture resistance	✔ Low life cycle cost
✔ Ultra resistant to ozone and UV-ageing	✔ Proven in use over 50 years
✔ Cold applied - no heat welding required	✔ Low maintenance required
✔ Rapid and easy installation	✔ Manufactured under exacting standards of ISO 9001

Example Specifications



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TECHNICAL DATA

Property	Test Standard	Unit	Value MLV*
Visible defects	EN 1850-2	-	Pass
Tear resistance L/T	EN 12310-2	N/5cm	52,9
Straightness	EN 1848-2	mm	8
Flatness	EN 1848-2	Mm	2
External fire performance	EN 13501-5	-	F
Reaction to fire	EN 13501-5	-	E
Water tightness	EN 1928 (B)	-	Pass
Tensile strength L/T	EN 123111-2	N/mm ²	11,08
Elongation	EN 12311-2	%	487
Resistance to static loading	EN 12730 (B)	Kg	≤ 20
Resistance to impact	EN 12691 (A)	mm	≤ 150
Joint shear resistance	EN 12317-2	N/50mm	228
Joint peel resistance	EN 12316-2	N/50mm	188
UV exposure	EN 1297	-	Pass
Ozone resistance	EN 1844	-	Pass
Foldability at low temperature	EN 495-5	°C	- 40
Dimensional Stability	EN 1107-2	%	≤ 0,4
Dangerous substances	-	-	None

*Manufacturer's limiting values in accordance with EN 13956

Complementary Products

- ▶ SureBond Seam Tape
- ▶ SureBond Flashing Tape
- ▶ SureBond Cover Tape
- ▶ SureBond Perimeter
- ▶ SureBond Pipe Boot with Tape
- ▶ SureBond Scrubbing Pad
- ▶ SureBond Primer



STANDARD SIZES

Thickness mm	Width m	Length m
1,04	3,05	30,5
1,14	3,05	30,5
1,52	3,05	30,5

*Other sizes available on request

Application guidelines (for fully adhered systems)

Unroll the membrane over the substrate without stretching, leaving sufficient membrane for any overlaps, roof edges and seaming. Allow membrane to relax for a minimum of 30 minutes before adhering or splicing (during cold weather application, the membrane may take longer to relax). Fold the membrane back evenly onto itself without wrinkles to expose the mating surface of the sheet. Sweep the mating surfaces with a stiff brush to remove any dust or dirt that may have accumulated.

Apply a suitable bonding adhesive (at the coverage rate specified on the container) with a suitably sized solvent-resistant paint roller. The adhesive must be applied in a uniform thickness to both surfaces at the same time. It is important to ensure the bonding adhesive is kept away from the membrane seam or flashing areas. Wait for the bonding adhesive to flash-off. Ensure the adhesive does not stick or string by touching in several places with a clean dry finger. As you are touching the adhesive, push forward on the adhesive at an angle to ensure that the adhesive is ready throughout its thickness. Flash-off time will vary depending on ambient conditions of temperature and humidity.

When ready, roll the previously coated area of the membrane into the coated substrate slowly and evenly to prevent wrinkles. Brush and press the membrane to ensure there is enough contact with the substrate. Repeat this process until the entire membrane installation is complete.

Overlaps and details should be spliced and/or applied using the complementary products listed on this data sheet, in accordance with the normal instructions for EPDM membranes. Further details available on request.