

SWRP10

Product Description

Premier SWRP10 is a high performance strip sealant laminated to clear tear resistant film. The product is presented self-wound on the roll for ease of application, as no release paper has to be removed before use. It is a dual-purpose air seal and moisture barrier tape developed for sealing side laps joints on walls and roofs to reduce condensation and increase air tightness in buildings. SWRP10 can be used as recommended in the MCRMA Technical Paper No. 14 – Guidance for the Design of Metal Roofing and Cladding to Comply with Approved Document L2:2001.

SWRP10 provides very good adhesion to most building materials even at temperatures below freezing, provided the surfaces are free from frost.

The product offers excellent movement accommodation and its low moisture vapour transmission rate makes it ideal for forming vapour seals.

Typical Applications

Creating moisture vapour seals along side lap joints of metal liner panels in the construction of buildings. This method of sealing offers advantages over adhesive coated foil in that it does not tear, allows joint movement and can be applied at low temperatures. **Do not use on end laps.** The use of DGR30, DWR10 or DBR10 sealant is recommended for the end laps. Care must be taken to seal the joints at the eaves, ridge and any pipe or service penetrations in order to provide a complete airtight building.

Application

All surfaces should be clean and dry. If standing water present, dry off with a towel or other similar absorbent material.

End laps should be seal prior to sealing side laps.

For end laps, the use of a DGR30, DWR10 or DBR10 butyl strip in bead or flat form is recommended.

Once sheeting is laid then apply SWRP10 directly from the reel to side laps only, to overlap the joint. Press with hand to achieve good initial adhesion.

SWRP10 is most easily cut with scissors.

Technical Information

Adhesion	Excellent to metals and plastics, even on cold surfaces
Movement accommodation	Very good resistance to creep $\pm 20\%$
Compression to seal	Positive pressure
Colour	White
Density	1.5g/cm ³
Elongation at break	270%
Force to compress by 20%	125N
Moisture vapour transmission	0.23g/m ² /24hr
Peel adhesion (180 degrees)	After 24hrs 32N per 50mm width. After 7 days 43N per 50mm width.
Resistance to mould	Good
Outdoor service temperature	-40°C - +90°C
Application temperature	-10°C - +30°C (surfaces must be dry and free from frost at low temperature).
Water repellence	Excellent
Durability	20 years +
Shear strength	17.1N
Shrinkage	<0.5%
Slump	Nil
Staining	Nil
Tack	Excellent
UV Resistance	Very Good
Vapour resistance	250 MN.s/g
Chemical resistance	Good to dilute acids & alkalis. Not recommended for extreme chemical exposure
Shelf life	1 year

Key Features

Reduces condensation in built up metal roofing systems by effectively sealing the metal liner to conform with requirements of Document L2:2001.

Prevents air leakage through lap joints in order to conform with the requirements of Document L2:2001.

Conforms with the recommendations of the MCRMA Technical Paper No. 14. Guidance for the Design of Metal Roofing and Cladding to Comply with Approved Document L2:2001.

Outstanding adhesion to coated steel and aluminium sheets without need for primers.

Can be applied in cold conditions without reduction in long term performance.

Very low moisture vapour transmission rate.

Unique high tack adhesive for instant grab.

Service life in excess of 20 years.

Standard width 50mm.

Supplied in selfwound rolls for easy application.

Strip adhesive colour: White.

Packaging

Dimensions: 50mm x 1mm x 35m – 6 rolls per carton

Tolerances: Thickness +/- 10%, Width +/- 2mm

Please note : The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. February 2002