

POWERLON® ULTRABLOCK SA

SELF-ADHESIVE THERMO-REFLECTIVE VAPOUR CONTROL LAYER



Industrial Textiles & Plastics Ltd.
Stillington Road, Easingwold, York YO61 3FA, UK

UltraBlock SA
Self-Adhesive Thermo-Reflective Vapour Control Layer

Colour	Silver / White
Weight	180 gsm (excl liner) 240gsm (incl liner)
Tensile Strength	MD 650 N/50mm XD 520 N/50mm
Nail Tear Resistance	MD 255 N XD 250 N
Water Vapour Resistance	>7,500 MNs/g
Water Vapour Transmission	Sd 1,500 m

DIMENSIONS

Roll Size	Roll Weight
1.5 x 100m	39.0kg

TECHNICAL HELPLINE

01347 825 200

APPLICATION

Powerlon UltraBlock SA is self-adhesive vapour barrier with an incorporated thermo-reflective layer for energy efficiency. It is suitable for wall and pitched roof installations, including profiled metal roofs. It is compatible with most substrates, including metal and wood.

INSTALLATION

1. Check the substrate for unevenness, loose points, contaminants, moisture, oil and grease. All surfaces to be covered should be smooth and free of all foreign and organic material, sharp objects or debris. It is essential to carry out a test to ensure effective bonding.
2. Ambient temperature during installation should not be less than 5°C and no greater than 40°C.
3. Absorbant or porous substrates should be primed using Powerbond Primer prior to installing UltraBlock SA. Contact the Technical Helpline for advice.
4. Use one of the following two methods to install UltraBlock SA (see Fig. 1):
 - a) Remove the backing from one corner of the membrane, approx 20 - 30 cm, and fix this section first. Align the membrane and begin to roll out the UltraBlock SA, pulling off the backing layer at right angles to the laying direction, starting from where the corner was first fixed. As the backing is removed, apply pressure (ideally with a 5 kg roller) to the surface, to bond the membrane to the substrate. Make sure that the vapour barrier applied without tension or folds.
 - b) Alternatively, remove the backing approx 5 - 10 cm along the short edge from the beginning of the roll and apply pressure to fix. Then begin unrolling the membrane removing the backing layer in the direction of laying. Apply pressure as you unroll the UltraBlock SA while removing the

backing layer (ideally with a 5kg roller). Ensure the vapour barrier is applied without tension or folds.

5. Long edge (longitudinal) overlaps should be 10 - 15 cm. On profiled substructures, the membrane should be laid in the same direction as the profile, and the long seams should be centred and overlapped on top of the raised profile. See Fig. 2.
6. Short edge (transverse) overlaps must be a minimum of 15cm and should be fixed to auxiliary support (e.g. metal strips), placed at right angles to the substructure profile. See Fig. 2.
7. Any punctures or tears to the vapour barrier during installation should be sealed using Powerbond FR Aluminum Tape.
8. For service penetrations, cut into the strip so that it forms a cross and seal around the penetration using Powerbond FR Aluminum Tape.
9. For connections around windows and skylights, use Powerbond Foil Tape to ensure airtight, well-sealed connections.

These installation instructions are based upon currently available good practice and information and only offered as a general guide. Final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user and the user must assume all risk and liability in connection therewith. Check the suitability and safety of the products for the use envisaged with all current and applicable national standards. ITP recommends calling the Technical Helpline if further information is required.

IMPORTANT

Powerlon UltraBlock SA is not suitable as a temporary roof and should be protected from UV exposure. Cover and finish the installation of the UltraBlock SA within a maximum of 1 week (for Western Europe).

FIG. 1 — INSTALLING ULTRABLOCK SA

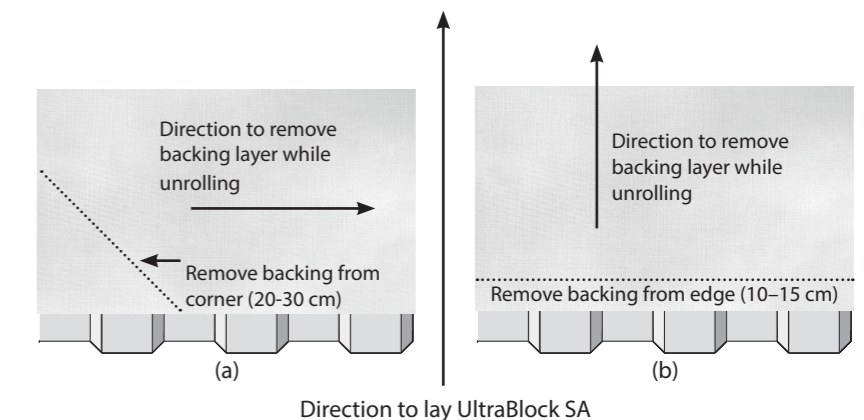
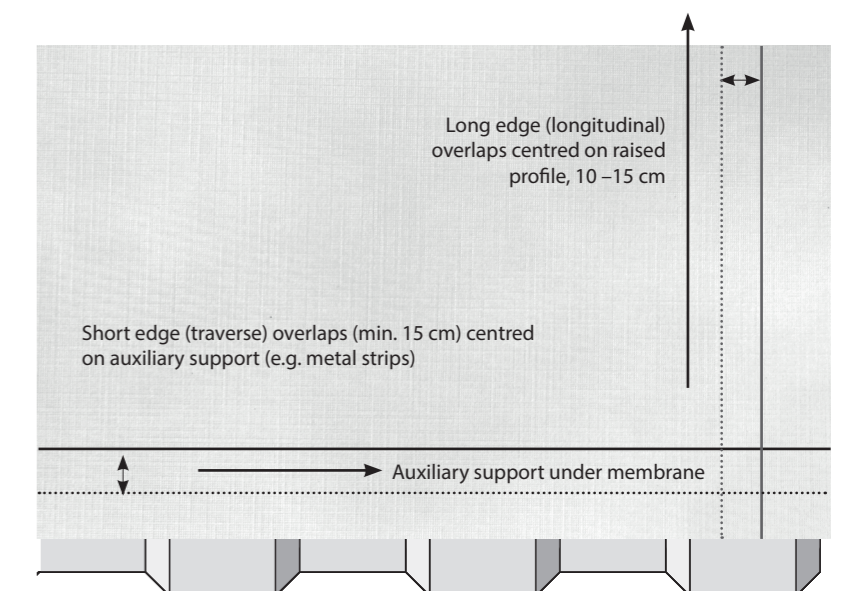


FIG. 2 — OVERLAPS



DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES
Subject to the limitations, disclaimers and statements as set forth here, Industrial Textiles & Plastics Ltd represents to the Buyer that the product or products delivered to the Buyer conform(s) to the manufacturer's description and specifications attached to or delivered with the product.

Any alleged nonconformity shall be made in writing to Industrial Textiles & Plastics Ltd specifically stating and describing any such alleged nonconformity.
The representation by Industrial Textiles & Plastics Ltd that the product or products delivered to the Buyer conform(s) to the manufacturer's description and specification as attached to or delivered with the product is expressly in lieu of all other representations, warranties, expressed or implied, and of all other obligations and liabilities, including consequential damages, on the part of Industrial Textiles & Plastics Ltd. Industrial Textiles & Plastics Ltd neither assumes nor authorises any person to assume for it any other liability in connection with the sale of the product.
The representation of conformity by Industrial Textiles & Plastics Ltd as represented by Industrial Textiles & Plastics Ltd shall in addition to the above be null and void in the event that the product is misused or handled in a negligent manner by Buyer or any third party. Industrial Textiles & Plastics Ltd shall not be liable for damages or delays, if such occur, on account of defective material or workmanship or

delays in shipment, nor will any allowances be granted for any repairs, alterations, work done or expense incurred in connection with any repairs, alterations or replacements except on specific written authority by Industrial Textiles & Plastics Ltd.
Industrial Textiles & Plastics Ltd shall in no way be liable or responsible for injuries or damages to persons or property arising out of the use or operation of the product as herein contemplated, and Buyer hereby agrees to indemnify and save harmless Industrial Textiles & Plastics Ltd from all such liability and responsibility.
Industrial Textiles & Plastics Ltd shall not be liable for any consequential damages for any reason including but not limited to those contemplated herein and whether such consequential damages may have been foreseeable, proximately caused or otherwise occurring.
Due to a policy of continued research and development, Industrial Textiles & Plastics Ltd reserves the right to alter specifications without notice. Products are offered subject to our normal Conditions of Sale, which are available on request.
Samples and specifications are of an illustrative nature and supplied free of charge. They do not form part of any contract or any intended

contract with the user. Final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user and the user must assume all risk and liability in connection therewith.
This disclaimer of Express or Implied Warranties constitutes a significant limitation on the rights and remedies otherwise available to the Buyer, which the Buyer freely and voluntarily acknowledges and accepts as part of the consideration for the contract to purchase the product or products from Industrial Textiles & Plastics Ltd.
Test Results are obtained under laboratory conditions on new material and not under actual usage conditions. Test results only relate to the sample tested. No warranties or assurances of reliability, suitability or fitness for a particular purpose of specimens or data are offered. Assessment of suitability of such material and data for intended use is the sole responsibility of the customer.