

RESIDENTIAL AND COMMERCIAL INSTALLATION

Fire Rating

A2 - S1, d0

R - Value (m²/K/W)

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ISOFOIL RESIDENTIAL - SINGLE-SIDED, 501PE WOVEN

ISOFOIL COMMERCIAL FR - DOUBLE SIDED – 170G/M²

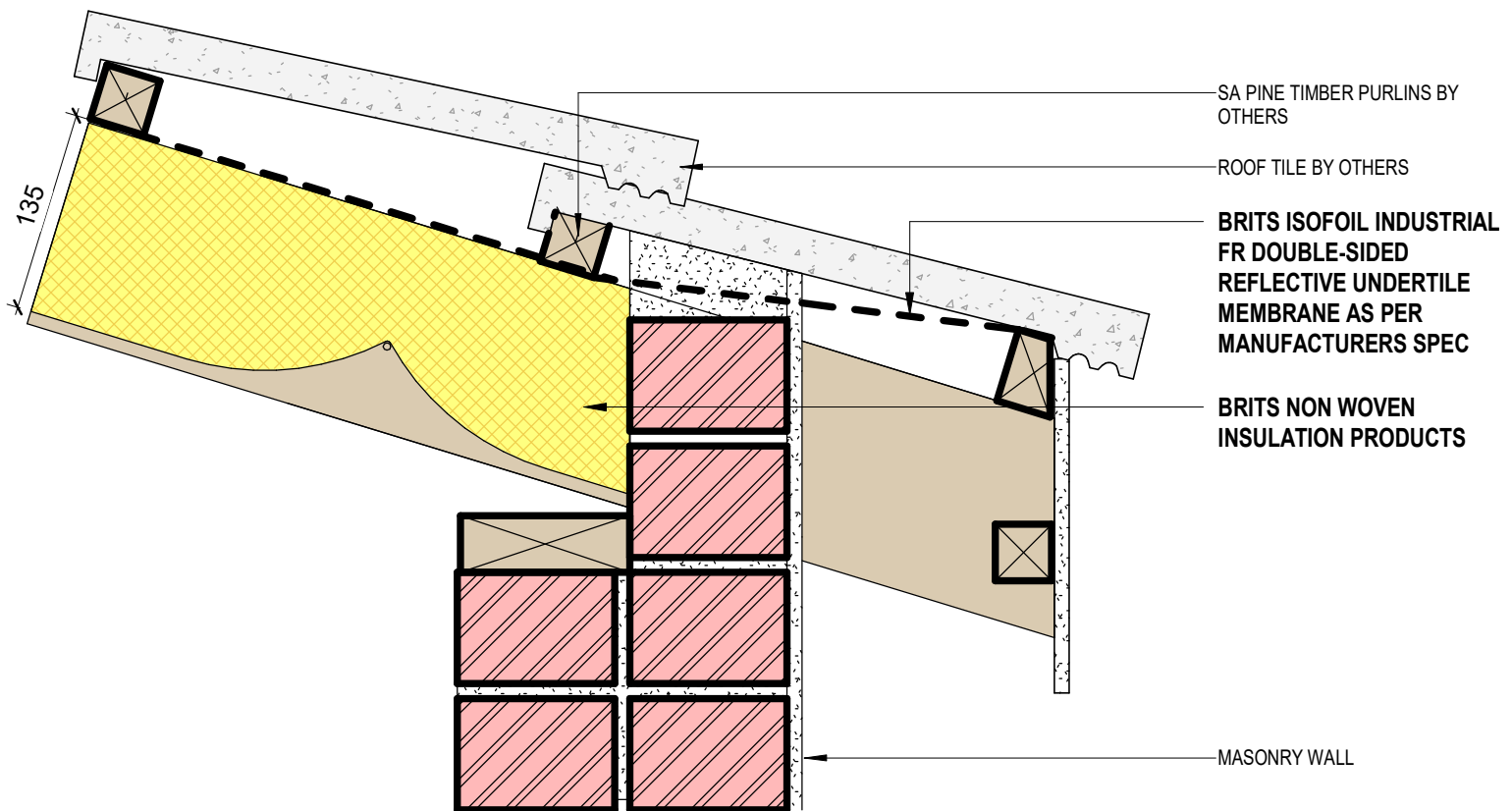
ISOFOIL COMMERCIAL - DOUBLE-SIDED, 502FR PE WOVEN

1. UNROLL THE ISOFOIL ROLLS HORIZONTALLY ACROSS THE RAFTERS, STARTING AT THE EAVES AND WORKING UP TOWARDS THE RIDGE.
2. OVERLAP: TO ENSURE COMPLETE COVER AND A GOOD SEAL, EACH LAYER SHOULD OVERLAP THE PREVIOUS ONE BY 150MM. FIX THE MEMBRANE TO THE RAFTER WITH CORROSION RESISTANT STAPLES. THE BATTENS SHOULD BE FIXED TO THE RAFTERS OVER THE MEMBRANE AS SOON AS POSSIBLE TO PREVENT WIND DAMAGE.
3. AIRGAP: FOR OPTIMUM REFLECTIVE PERFORMANCE, ENSURE THAT AN AIRGAP BETWEEN THE FOIL AND THE ROOF COVER OF AT LEAST 50MM IS MAINTAINED.
4. FINAL COVER: INSTALL THE ROOF COVER MATERIAL AS SOON AS POSSIBLE TO MINIMISE OUTDOOR EXPOSURE.

The IsoFoil range is a selection of highly reflective thermal insulation membranes. These membranes are a reflective insulation solution ideally suited for residential, commercial, and industrial roofing applications.

Key Performance & Benefits

- Radiant Heat Management: These barriers are designed to reflect between 95% and 97% of all radiant energy.
- Temperature Control: By managing thermal radiation, IsoFoil retains heat in winter and reflects it in summer, significantly increasing indoor comfort.
- Efficiency Gains: When correctly installed, the membrane can reduce indoor temperatures by 10% in summer and increase them by 5% in winter.
- Energy Savings: The product reduces the need for artificial cooling and heating devices, contributing to the overall energy efficiency of the building.
- Triple Barrier Protection: Beyond insulation, the membrane acts as a barrier against wind, dust, and moisture.
- Light Reflection: It can be installed as an exposed roof lining to help reflect and distribute natural light throughout a building.



Disclaimer and Usage Guidelines

The information presented is based on the data provided to **Brits Nonwoven** at the time the original drawings were requested, and its accuracy is dependent on that input. Brits Nonwoven owes no duty of care to the recipient or any third party and accepts no liability for the details shown. The Brits Nonwoven System Details must not be used without a complete evaluation by the owner and/or design professionals to verify its suitability for your specific application.

Additionally, this detail should be reviewed in conjunction with Brits Nonwoven's current literature, available on www.brits.co.za.

DRAWING NO.

ISF 01

NOTES

To be read in conjunction with project specifications.

Scale

1 : 5