



ISOFOIL

A REFLECTIVE INSULATION SOLUTION

The IsoFoil range is a selection of highly reflective thermal insulation membranes, ideally suited for applications in all construction sectors, encompassing residential, commercial and industrial roofs.

These carefully designed barriers reflect between 95% and 97% of all radiant energy. By managing thermal radiation, IsoFoil significantly increases the comfort level inside buildings.

Heat transfer between the interior and exterior of the building is also controlled, retaining heat in winter and reflecting it in summer.

When correctly installed, IsoFoil can reduce indoor temperatures by 10% in summer, and increase indoor temperatures by 5% in winter. This reduces the need for cooling and heating devices, contributing to the overall energy efficiency of the building.

Beyond its reflective properties, the IsoFoil membrane also acts as a wind, dust and moisture barrier, enhancing the overall performance of the roof.

IsoFoil can also be installed as an exposed roof lining in order to reflect natural light throughout the building.

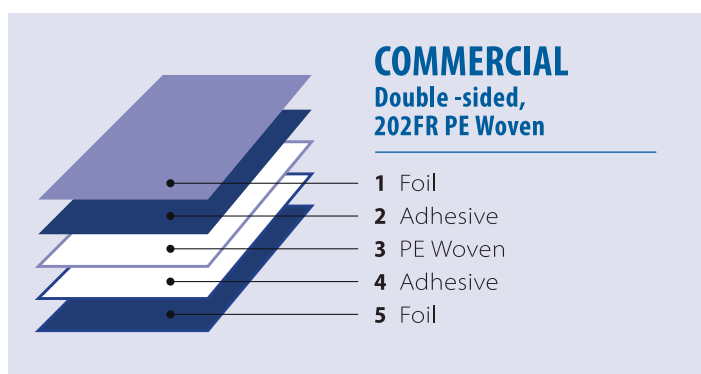
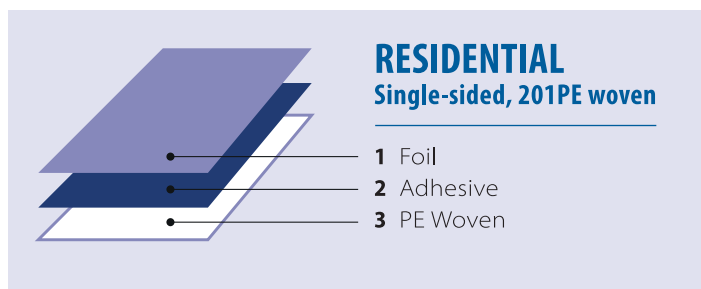
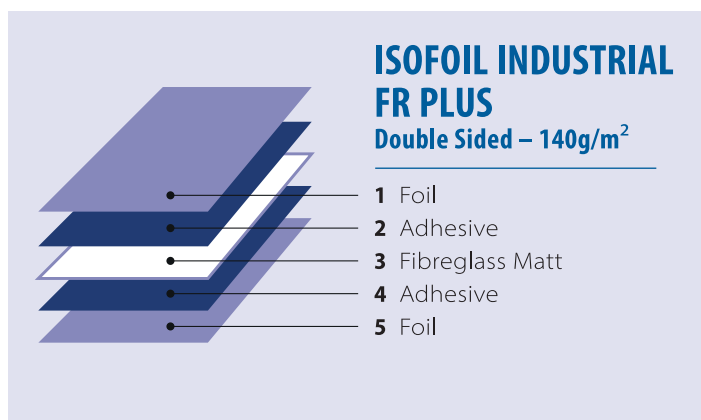
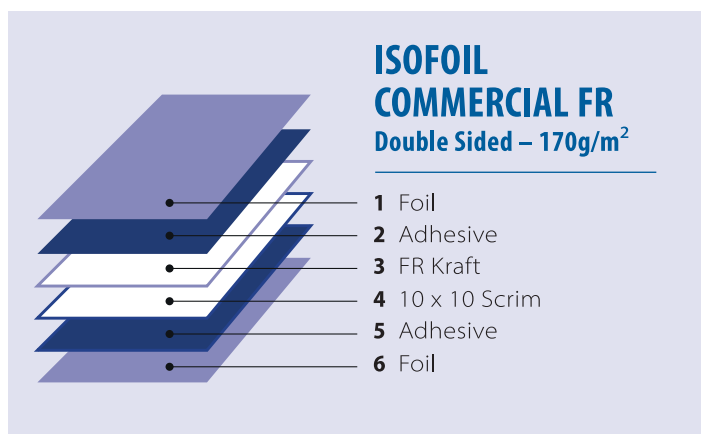
IsoFoil complies with all relevant requirements for thermal insulation products, as stipulated in the Energy Efficiency Standards specified in SANS 10400 XA.

HOW IT WORKS

Insulation maintains a constant and comfortable temperature in a building by preventing heat transfer between indoor and outdoor climates, keeping the heat in during winter and out during summer.



THE ISOFOIL RANGE



INSTALLATION GUIDE

RESIDENTIAL AND COMMERCIAL INSTALLATION

1. Unroll the IsoFoil rolls horizontally across the rafters, starting at the eaves and working up towards the ridge.
2. 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. For optimum reflective performance, ensure that an airgap between the foil and the roof cover of at least 50mm is maintained.
4. Install the roof cover material as soon as possible to minimise outdoor exposure.

INDUSTRIAL INSTALLATION

1. Fix PVC-coated strainer wires from the ridge or apex purlin over all following purlins, right down the eave purlins, at 300mm-600mm centres.
2. Unroll IsoFoil rolls vertically, starting at the ridge. Lay the IsoFoil on top of the straining wires towards the eaves, then straighten out and pull taut.
3. To ensure complete cover and a good seal, each layer should overlap the previous one by 150mm. All overlaps should be supported by a straining wire.
4. Install the roof cover material as soon as possible to minimise outdoor exposure.

POWERED BY

brits
nonwoven

www.brits.co.za

New Germany Industrial Park, Gate 5,
14 Valley View Road, New Germany, 3610

031 710 7701

info@brits.co.za