

PHS 180 Roofing Membrane

The PHS 180 Roofing Membrane is the next generation of high performance vapour permeable underlay with an impressive 180g/m² of material content. With a market leading range of characteristics, such as high vapour permeability, extreme weathertightness and high nail resistances. PHS 180 Roofing Membrane offers superior protection against condensation and excellent resistance against driving rain. PHS 180 Roofing Membrane is a diffusion-open vapour permeable membrane. When sealed at the overlaps and other appropriate building component interfaces, the PHS 180 Roofing Membrane provides a windtight environment underneath. This results in a greater thermal performance of the insulation.

Installation Instructions

- Installation commences by unrolling the underlay horizontally across the rafters, starting at the eaves and working towards the ridges of the roof. The upper (as installed) surface is marked with the product name and overlap lines, and the unmarked surface should face the rafters on unrolling.

The membrane should be installed as per local roofing requirements.

Advantages

- Complies with S.R. 82: 2017, NSAI Slating and Tiling code of practice.
- Especially good tear resistance due to its high material grammage and robust material.
- It can easily tolerate over 3 months of outdoor exposure.
- High degree of protection for building structures during the construction phase: suitable as a temporary covering.
- A range of accessories to support wind-tight projects and maximising the performance of the insulations.

Related Products

- PHS Wolfy Tape.
- PHS MS Hybrid Sealant.
- PHS Roof Foam Tape.



Technical Data

Weight	180g/m ²
Foil thickness	0.82mm
Sd Value	approx. 0.021m
Air permeability	Max. 0.05m ³ /(m ² x h x 50 Pa), EN 12114
Water vapour diffusion	0.03m, EN ISO 12572C
Water thightness	Class W1, EN 1928A
Tensile strength MD	350N
Tensile strength CD	240N
UV exposure	max. 7 weeks
Elongation MD	100N
Elongation CD	120N
Tear resistance MD	230N
Tear resistance CD	290N
Reaction on fire	Class F, EN 11925-2
Temperature resistance	-40°C do +80°C
Low temperature flexibility	-40°C, EN 1109