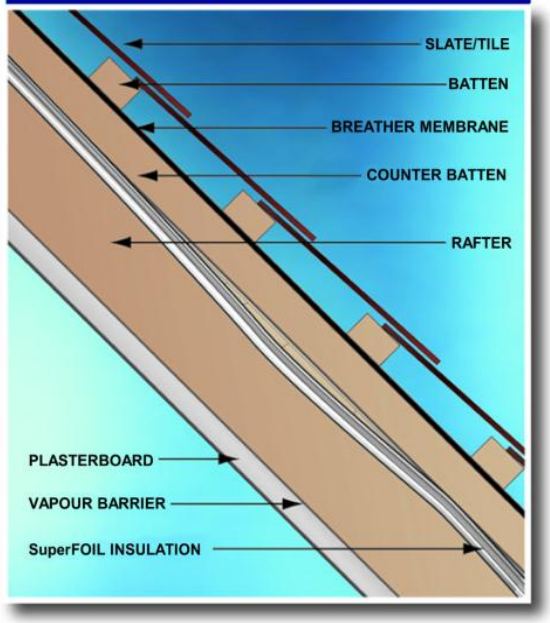
SF19
SuperFOIL Insulation

Thermal Insulation for use in Roofs and Partition Walls

INSTALLATION GUIDELINES & DATA SHEET

SF19 SuperFOIL can be installed over or under the rafter and provides continuous insulation. It is ideal for roofs and attic conversions.

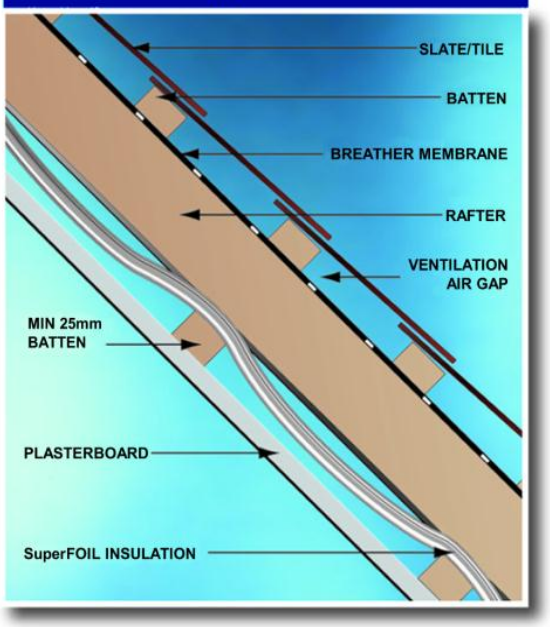
Over Rafter Application - Warm Roof



Over Rafter Application

- Roll out SF19 SuperFOIL over rafters, Staple at least every 100mm and cover joins with SuperFOIL tape, overlap widths 75mm.
- At the eaves cut SuperFOIL around rafters and seal to cavity wall insulation or wall plate to create airtight envelope.
- Fix battens parrallel with the rafters and apply breathable roof underlay according to manufacturers guidelines.
- Fix roofing battens and tiles according to manufactures guidelines.

Under Rafter Application - Cold Roof



Under Rafter Application

- Roll out SuperFOIL, starting along the top of the roof. Batten horizontally over rafters. Staple at least every 100mm and cover joins with SuperFOIL tape, overlap widths 75mm.
- At the bottom of the roof pitch, staple the SF19 SuperFOIL directly onto the timber wall plate to create an airtight envelope.
- Fix battens across the rafters and ensure 25mm air gap between SuperFOIL and the plasterboard.

NB Use sarking board in Scotland

COMBI System	Over Rafter U-Value Calculation	Thickness (mm)	Thermal Resistance (m^2 K/W)
	External Surface Resistance	-	0.100
	Tiles	15mm	0.000
	Airspace / Batten	22mm	0.000
	Breather Membrane	1mm	0.000
	Airspace / Batten	25mm	0.000
	SF19 SuperFOIL	**40mm**	**2.218**
	Rafters	165mm	0.000
	Hi-Density Foam Board *see below Between Rafters (eg. Kingspan, celotex)	90mm	2.273
	Plasterboard	13mm	0.066
	Internal Surface Resistance	-	0.100

U-Value = 0.18 W/m² K

NB Use sarking board in Scotland

COMBI System	Under Rafter U-Value Calculation	Thickness (mm)	Thermal Resistance (m^2 K/W)
	External Surface Resistance	-	0.100
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	Internal Surface Resistance	-	0.100

U-Value = 0.18 W/m² K

Calculated as required by Building Regulations Part L NB Allways check with your building control

DUET System –

Using only SuperFOIL (requires no other kind of insulation), add SF40 SuperFOIL to the existing layer of SF19 SuperFOIL as above to create a two layered DUET solution of SuperFOIL to achieve upto a U-Value of 0.16W/m2 K

U-Value = 0.16 W/m² K

SF19 SuperFOIL Insulation

R Value 2.218

Installation Guide

- SF19 SuperFOIL can be used in all types of roof.
- SF19 SuperFOIL can be laid horizontally or vertically depending on the characteristics of the area to be insulated.
- SF19 SuperFOIL can be cut with a utility knife or scissors
- Attach with galvanised or stainless steel staples. (14mm min)
- Contact with lead, copper and its alloys should be avoided.
- Do not use SF19 SuperFOIL to insulate a chimney flue.
- When using SF19 SuperFOIL around downlighters a 30mm clear cavity must be provided.
- SF19 SuperFOIL is most effective with a 25mm min air gap easily achieved with battens.
- SF19 SuperFOIL tape (25m x 100mm) to be used on all overlaps and joints.
- Be careful of the sun's reflection when using outside.
- Use SuperFOIL SF19 to comply with Building Regulations Part L.

Distinctive Features

- SF19 SuperFOIL has a tested R Value of 2.218.
- SF19 SuperFOIL's extra large roll size of 18.75m reduces waste.
- SF19 SuperFOIL is made with 40% recycled material and is fully recyclable, zero ozone depletion and low global warming potential.
- In situ energy assessment indicates that reflective multi-layer foil insulation has benefits over traditional (non reflective) insulation.
- SF19 also has air barrier properties and can control air movement for further energy efficiencies.
- SF19 SuperFOIL delivers maximum insulation with a small footprint

Technical Specifications

Description	Layers
Polypropylene Reinforced Heavy Outer Laminated Foil	2
Aluminium Coated Reflective Foil Layers	6
Thermo Foam Separation Layers	8
Loft Quilt 80G/SQM Layers	3
Total Layers	19
Packing	142 Poly Tube

Tested R Value	2.218
Thickness	40mm
Weight	13kg
Dimensions Packed	1.5m by 500mm
Roll Dimensions	1.5m by 12.5m

Quality System Manufactured to: ISO 9001:2008

For More information visit **www.Superfoil.co.uk**

Sizes / figures are approximate and subject to change without notice, tolerance 1:0.01 to 1:0.15

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SF19 Single Roll

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