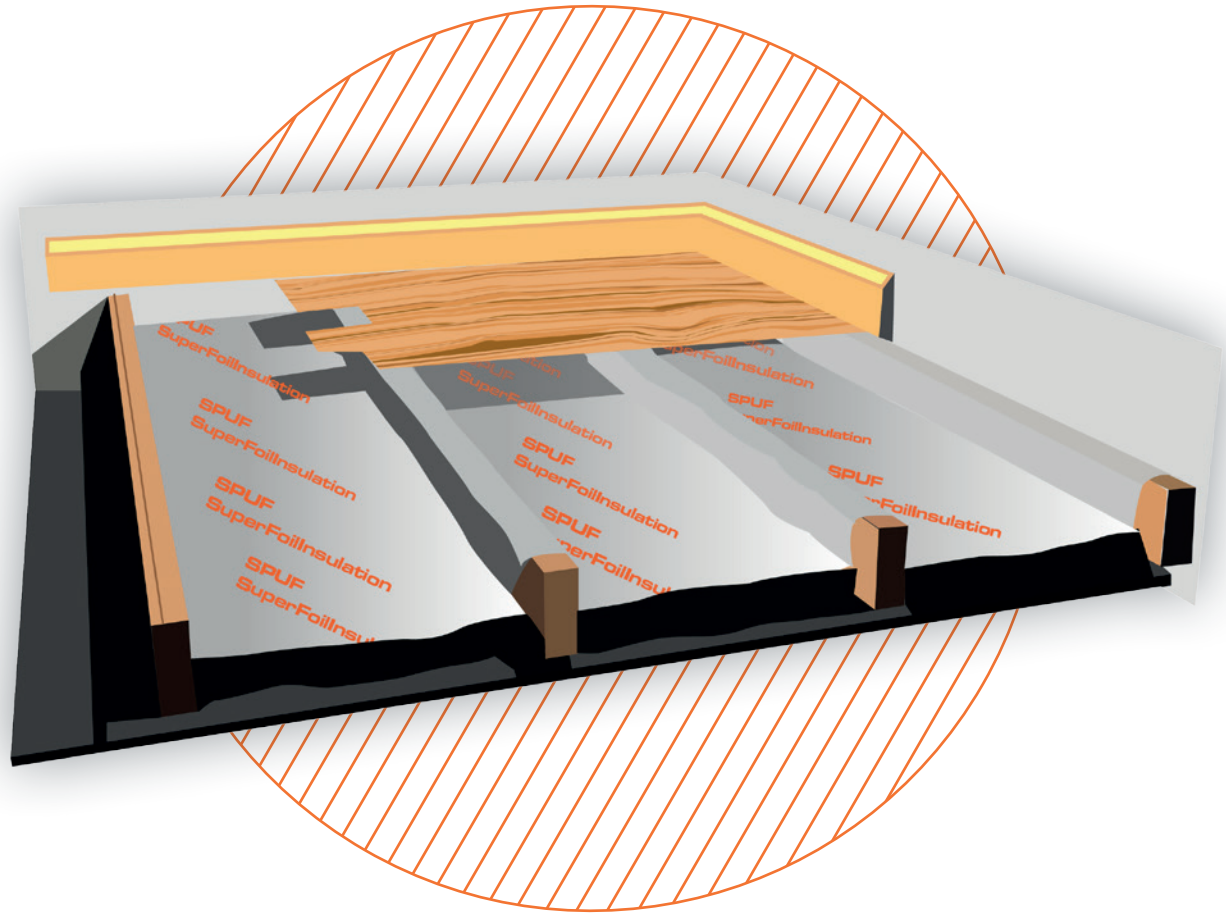
SuperFOIL

Insulation



Specifiers Guide

Contents

Leading the Way

Super**FOIL is leading the way in multi-foil insulation.**

Super**FOIL** is a high tech, multi-layer, foil insulation solution, for any property whether new build, retrofit, working to local authority building control or not.

It has many advantages over traditional insulators, such as its slim profile, flexibility and high performance.

Plus, Super**FOIL** is ideal for:

Roofs

Floors

Walls

Custom Designs

It is truly unique in its ability to adapt to the layout of your property.

This e-book will help you to explain the advantages of Super**FOIL** to your clients, and what sets it apart from other types of insulation that they may have heard of.

Compliance & Effectiveness

Next Generation methods are the way forward, and we want to show people why.

Over recent years, thermal requirements within building regulations have been increasing, which has meant that there has been great customer demand for more innovative solutions to their insulation problems.

People want a solution that meets all the building regulations, is simple to install and requires the minimal build up depth.

SuperFOIL products are the solution.

Not only do SuperFOIL products pass the Building Regulations thermal requirements, but it offers a solution that is much more attractive than having to build higher or thicker walls.

It offers the maximum insulation with the minimal thickness, **saving your customers time and space.**

High Performance

Cost Effective

Flexible

Lightweight

Can reach U-Values as low as 0.1

Installation Benefits

Ease of installation not only benefits you as a specifier, but benefits your customer too. We've listed the benefits below:

Meets health & safety requirements

SuperFOIL has no special health and safety issues when installing.

No irritants or hazardous materials

No irritation to yourself or your customer while installing.

No deforming or movement over time

A 50+ year lifespan.

Minimal disruption to their property

Due to a fast installation time.

No mess, no fuss

There are no boards to cut, or sprays to misdirect.

A simple 3-step process

A reduced installation time that follows this three-step installation process:

1/ CUT
Cut the SuperFOIL to fit the designated area required.

2/ FIX
Stabilise the SuperFOIL to the structure.

3/ SEAL
Seal with tape for air tightness.

Flexible material

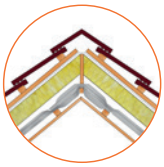
Easy to install, better performance because of no air leakage.

Minimal waste

SuperFOIL is very flexible, so it can be easily wrapped around beams and structures.

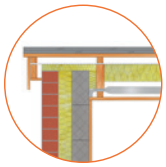
Quick Reference Sheet

Over Rafter Insulation

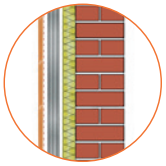


Under Rafter Insulation

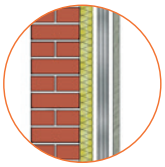
"Duet" Insulation



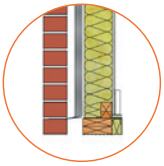
Flat Roof Insulation



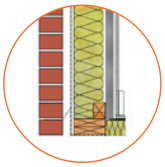
Solid Wall External Insulation



Solid Wall Internal Insulation



Timber Frame External Insulation



Timber Frame Internal Insulation

SF19, **SF19+**, **SF19BB**, **SF40**, **SF60** & **SFUF** Technical Information:*

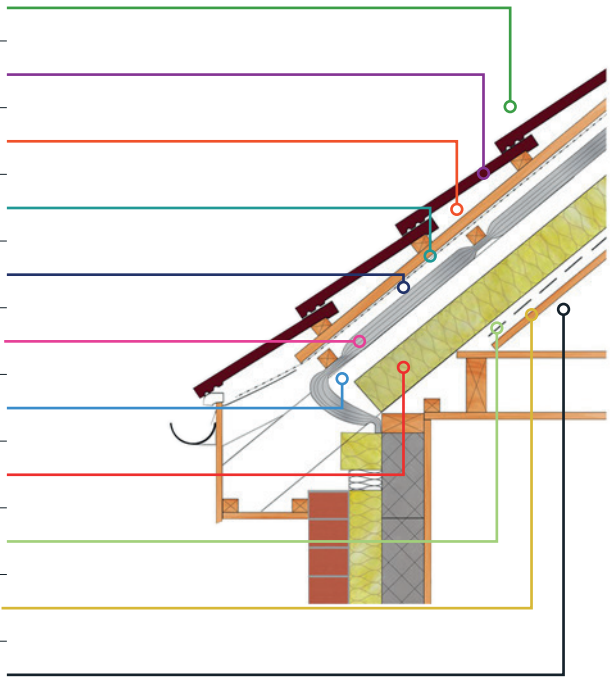
SPECIFICATION	**SF19**	**SF19+**	**SF19BB**	**SF40**	**SF60**	**SFUF**
ROOF 'R'-VALUE	2.27	2.49	2.22	3.58	4.42	0.8
WALL 'R'-VALUE	2.73	2.97	2.53	4.04	4.88	0.8
TOTAL AREA PER ROLL	15sqm	15sqm	15sqm	15sqm	12sqm	12sqm
THICKNESS	40mm	45mm	40mm	65mm	100mm	6mm
COMPRESSED THICKNESS	10mm	12mm	12mm	16mm	23mm	6mm
SUGGESTED BATTEN SIZE	25mm	25mm	25mm	38mm	60mm	/
SUGGESTED STAPLE SIZE	20mm	20mm	20mm	30mm	40mm	15mm
VCL	Yes	Yes	/	Yes	Yes	Yes
BREATHER MEMBRANE	/	/	Yes	/	/	/

*Please note: sizes & figures are approximate and subject to change without notice.

Roof Solution Examples

CONSTRUCTION	THICKNESS	'R'-VALUE
EXTERNAL SURFACE	/	0.04
TILES	15mm	/
BATTEN CAVITY	25mm	/
BREATHER MEMBRANE	1mm	/
BATTEN CAVITY	38mm	/
Super**FOIL SF40***	**65mm**	**3.58**
RAFTER CAVITY	38mm	/
HD FOAM BOARD	50mm	2.27
VAPOUR CONTROL LAYER	1mm	/
PLASTERBOARD	15mm	0.08
INTERNAL SURFACE	/	0.1
'U'-VALUE ACHIEVED		**0.18**

EXAMPLE 'U'-VALUE COMBINED METHOD



Retrofit Solutions (achieving 0.18 'U'-Value):

Super**FOIL** COMBINED WITH...	GLASS WOOL BETWEEN RAFTER	PIR BETWEEN RAFTER	PIR UNDER OR OVER RAFTER
SF19	140mm	90mm	65mm
SF19+	125mm	80mm	60mm
SF19BB	140mm	90mm	65mm
SF40	75mm	50mm	35mm
SF60	40mm	20mm	20mm

New Build Solutions (achieving 0.13 'U'-Value):

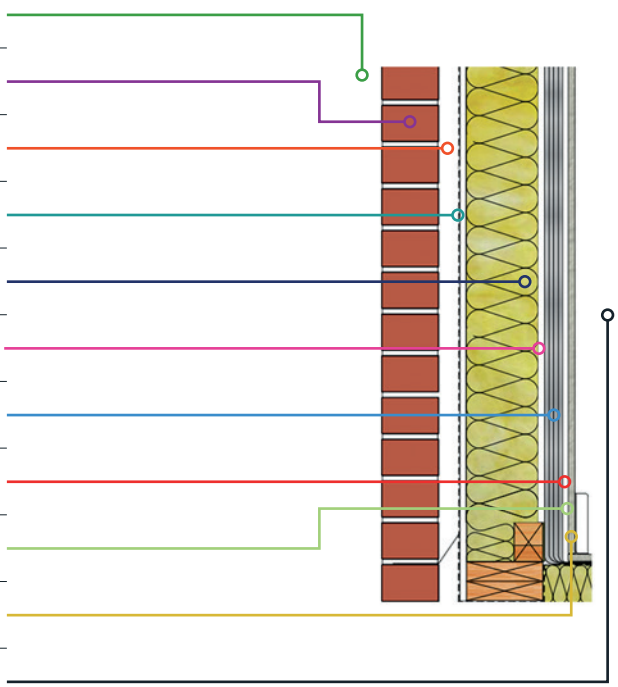
Super**FOIL** COMBINED WITH...	GLASS WOOL BETWEEN RAFTER	PIR BETWEEN RAFTER	PIR UNDER OR OVER RAFTER
SF19	230mm	150mm	110mm
SF19+	220mm	140mm	110mm
SF19BB	240mm	150mm	110mm
SF40	170mm	110mm	80mm
SF60	130mm	80mm	80mm

*Note: Super**FOIL** can be installed either above or below rafters.

Wall Solution Examples

CONSTRUCTION	THICKNESS	'R'-VALUE
EXTERNAL SURFACE	/	0.04
BRICK	103mm	0.134
VENTILATED CAVITY	50mm	0.18
OSB	9mm	0.07
HD FOAM BOARD	25mm	1.136
STUD CAVITY	38mm	/
Super**FOIL SF40***	**65mm**	**4.04**
BATTEN CAVITY	38mm	/
VAPOUR CONTROL LAYER	1mm	/
PLASTERBOARD	15mm	0.08
INTERNAL SURFACE	/	0.13
'U'-VALUE ACHIEVED		**0.18**

EXAMPLE 'U'-VALUE COMBINED METHOD



Retrofit Solutions (achieving 0.28 'U'-Value):

Super**FOIL** COMBINED WITH...	GLASS WOOL BETWEEN STUDS	PIR BETWEEN STUDS	PIR UNDER OR OVER STUDS
SF19	15mm	10mm	10mm
SF19+	Achieves 0.28U with no other insulation		
SF19BB	25mm	15mm	10mm
SF40	Achieves 0.22U with no additional Insulation		
SF60	Achieves 0.18U with no additional Insulation		

New Build Solutions (achieving 0.18 'U'-Value):

Super**FOIL** COMBINED WITH...	GLASS WOOL BETWEEN STUDS	PIR BETWEEN STUDS	PIR UNDER OR OVER STUDS
SF19	120mm	65mm	45mm
SF19+	110mm	60mm	40mm
SF19BB	125mm	70mm	50mm
SF40	45mm	25mm	20mm
SF60	Achieves 0.18U with no additional Insulation		

*Note: Super**FOIL** can be installed either internally or externally.

Contact Us

If you require any advice, assistance or information about our Super**FOIL** products, then please contact us on 01636 639 900 or email us at sales@boulderdevelopments.com. And we'll be happy to help.

For more information about the Super**FOIL** products we have available, please see our other guides and documentation for more details, or contact us using the information on this page.

A/ Super**FOIL** Insulation
Black Horse Farm, Main Street,
Norwell, Newark NG23 6JN

T/ 01636 639 900

E/ sales@superfoil.co.uk

W/ www.superfoil.co.uk

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