

SFUF

SuperFOIL Underfloor Insulation

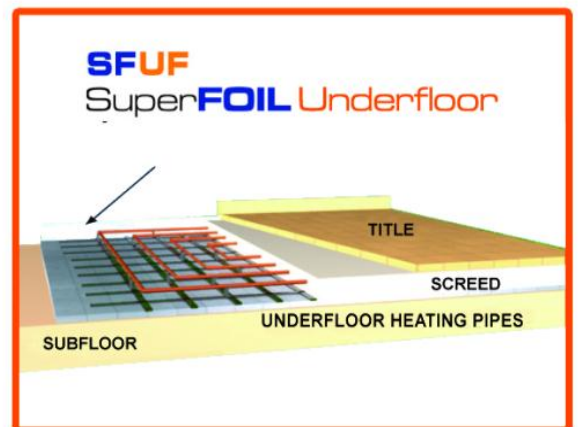
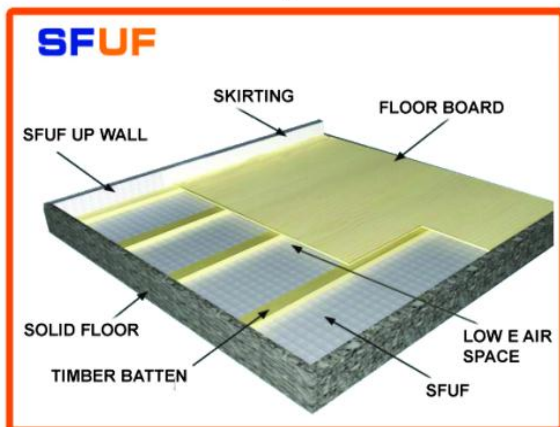
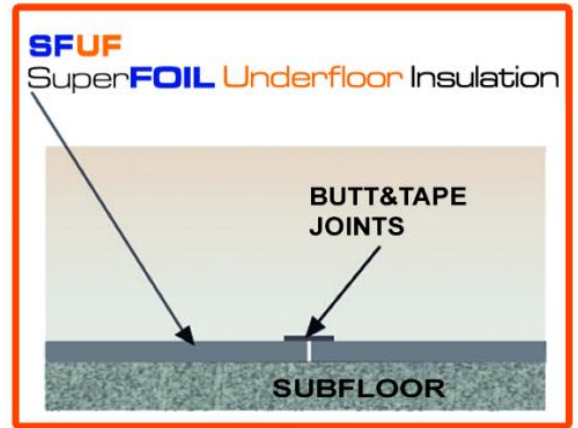
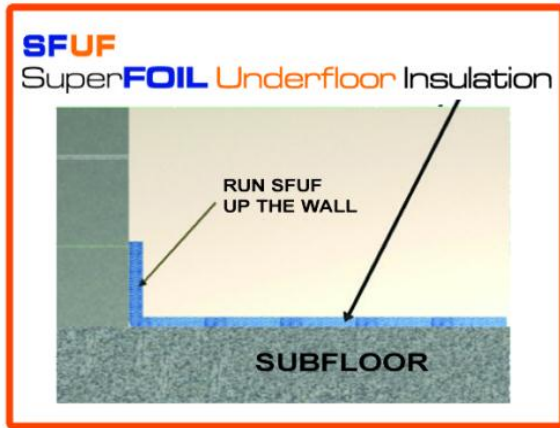
SFUF improves the Energy Performance Rating of your home

Installation Guidelines & Datasheet

Basic Installation Principles

Quality System Manufactured to:
ISO 9001:2008

- Lay SFUF on a clean, dry and smooth surface
- Start at the wall edge with a minimum of 100mm lapping up the wall edge
- Butt the long edges together and cover joints with SF jointing tape
- Next stage is to install your underfloor heating and screeding to the manufacturers recommendations



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SFUF Single Roll

Key Features

SFUF Resists the passage of moisture through floors

SFUF improves the performance of underfloor heating through the uniform reflection of the heat generated

SFUF's slim profile and high insulation value make it ideal for use where floor height is a limiting factor

Insulating floor edges removes the effects of thermal bridging

Floor 4m x 4m Area = 16sq m Perimeter =16m		Thickness (mm)	Thermal Resistance (m ² K/W)
Slab on Ground	External Surface Resistance	-	0.040
	Concrete, dense	150mm	0.075
	HD Foam Board	70mm	2.593
	SFUF SuperFOIL	6mm	0.800
	Screed	65mm	0.057
	Internal Surface Resistance	-	0.170
	U-Value = 0.22 W/m² K		

Floor 3m x 4m Area = 12.1sq m Perimeter =9.9m		Thickness (mm)	Thermal Resistance (m ² K/W)
Suspended Beam & Block	External Surface Resistance	-	0.170
	Blockwork, light	100mm	0.556
	Screed	75mm	0.183
	SFUF SuperFOIL	6mm	0.800
	HD Foam Board	30mm	1.364
	SFUF SuperFOIL	6mm	0.800
	Cement Board	18mm	0.030
	Internal Surface Resistance	-	0.170
U-Value = 0.22 W/m² K			

Floor 5m x 6m Area = 30sq m Perimeter =6.28m		Thickness (mm)	Thermal Resistance (m ² K/W)
Slab on Ground	External Surface Resistance	-	0.040
	Polythene, 1200 Gauge	0mm	0.000
	Concrete	100mm	0.074
	SFUF SuperFOIL	6mm	0.800
	HD Foam Board	25mm	1.136
	TG Flooring	18mm	0.100
	Plywood	6mm	0.100
		-	0.170
U-Value = 0.22 W/m² K			

Floor 5m x 8m Area = 40sq m Perimeter =20m		Thickness (mm)	Thermal Resistance (m ² K/W)
Slab on Ground	External Surface Resistance	-	0.040
	Concrete, medium density	200mm	0.148
	SFUF SuperFOIL	6mm	0.800
	HD Foam Board	30mm	1.364
	SFUF SuperFOIL	6mm	0.800
	Screed	50mm	0.043
	Internal Surface Resistance	-	0.170
	U-Value = 0.22 W/m² K		

SFUF Mechanical Properties

Tested to Meet BS EN ISO 13937-2	
Tensile Strength	
Lateral	550
Longitude	600
Thermal Break	Yes

Dimensions & Weight (Approx.) :

Width	1.5m
Length	12.5m
Thickness	6mm
Weight	9kg
Colour	Silver

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

