

SuperQuilt

Multi-layer Insulation Blanket for Roofs

Thermal Insulation in a 40mm thin, flexible, multi-layer membrane



- Meets requirements of L1A, L1B 2010
- In accordance with BR443
- NHBC Acceptance
- Pitched & Flat roof insulation
- Full Agrément certification
- Thermally tested in accordance with EN16012
- High thermal resistance of 2.50m²K/W
- Class E Fire Resistance
- Ideal for New build & Refurbishment
- Effective solar over-heating barrier
- Lightweight, flexible & 40mm thin
- Fast and simple installation
- Vapour control layer

Thermally the best performing multi-foil on the market by far.



YBS Insulation
HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY



YBS Insulation

HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

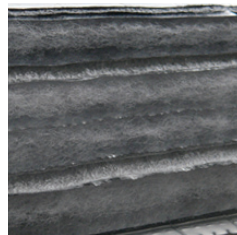


Thermally the best performing multi-foil on the market by far.



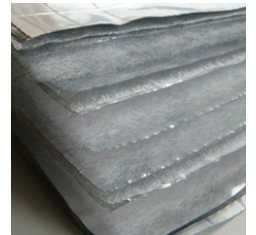
Unique Technology

Our unique patented technology allows the material to expand where necessary, increasing overall thermal performance.



19 Layers

19 layers of material including Reflective Foil, Expanded Polyethylene & Polyester Wadding.



Thermally the best performing

multi-foil on the market by far.



SuperQuilt is Equivalent to 200mm of Glass Wool in a two layer Roof Application



Under Rafter Application
(See page 3)



Over Rafter Application
(See Page 4)



Two Layer Application
(See Page 5)

Insulation for use in Roofs

Benefits

- **NHBC Acceptance**
- **Meets requirements of L1A and L1B 2010 addition**
- **In accordance with BR443**
- **Fully certificated**
- **Thermally tested in accordance with EN16012**
- **High thermal resistance of $2.50\text{m}^2\text{K/W}$**
- **Effective solar over-heating barrier**
- **Effective in summer and winter**
- **Lightweight, thin & flexible**
- **Fast and simple installation**
- **Tear Resistant**
- **For pitched roofs between 20° and 70°**

SuperQuilt is a very flexible, easy to fit, multilayer insulation thermally tested in accordance with EN16012 achieving a high thermal resistance of $2.50\text{m}^2\text{K/W}$ for SuperQuilt accompanied by a 25mm air cavity either side of the material.

How does SuperQuilt Work?

Due to the special composition of multi-layers of insulation, SuperQuilt effectively deals with all forms of energy transfer (i.e. conduction, convection and radiation). SuperQuilt works most effectively by reflecting infra-red radiation. This means that not only is SuperQuilt effective in winter by reflecting heat back into the building and cold out, but also in summer, SuperQuilt is a very effective solar over-heating barrier reducing the need for artificial cooling systems, preventing uncomfortable build up of heat in the building.

General Fixing Instructions

Installation of SuperQuilt for pitched roof applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

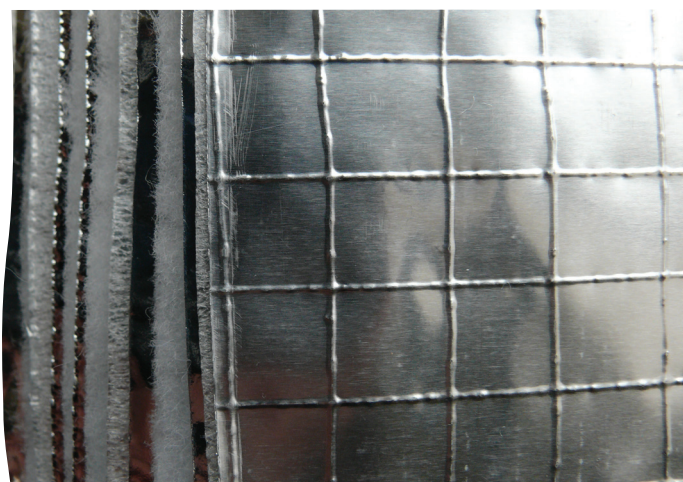
SuperQuilt must be installed with a 50mm overlap with all joints taped with YBS 75mm foil tape.

SuperQuilt can be cut with a YBS SuperQuilt cutter, craft knife or a sharp pair of scissors.

SuperQuilt can be easily fixed with staples at regular intervals. Minimum 14mm stainless steel or galvanised staples are recommended.

SuperQuilt is most effective with a minimum 25mm air gap on either side. Battens can be used to create this gap.

No protective clothing/handling required.



Under Rafter Pitch Roof

Fixing Instructions

Installation of SuperQuilt for under rafter applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

SuperQuilt is applied directly from the roll either vertically or horizontally depending on the rafter height, pulled tight and stapled onto the rafters at minimum 300mm centres.

SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the rafters, the joints should be sealed using YBS Foil Tape. Additionally, at the eaves SuperQuilt is cut around the rafters and sealed to the Cavity wall insulation or wall plate.

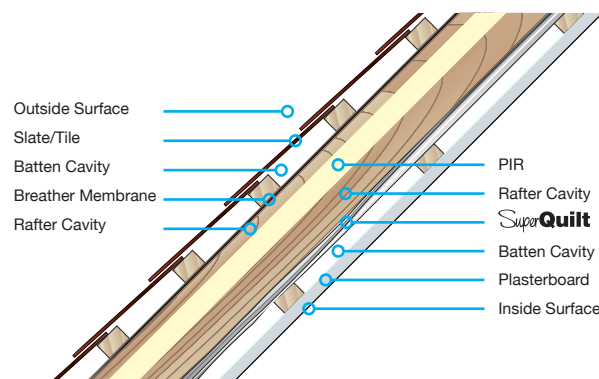
Fix 25mm by 38mm battens at right angel to rafters. Battens must always be fixed around the perimeter of windows.

The plasterboard is fixed over the SuperQuilt and onto the battens in the usual manner.

When installed below rafters SuperQuilt will perform as a vapour barrier.

See installation video at www.ybsinsulation.com

U-Value Combined Method (W/m²K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m²K/W)
Outside Surface	-	-	0.040
Slate/Tile	10.00	-	-
Batten Cavity	25.00	-	-
Breather Membrane	-	-	-
Rafter Cavity	30.00	-	0.340
PIR	70.00	0.022	3.182
Rafter Cavity	25.00	-	0.490
SuperQuilt	14.00	-	1.520
Batten Cavity	25.00	-	0.490
Plasterboard	12.50	0.190	0.066
Inside Surface	-	-	0.100
Total Resistance			6.292



U-Value table

All calculations are based on 50mm rafters and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (rafters at 400mm centres)

SuperQuilt and 75mm PIR (0.022 W/mK)
SuperQuilt and 130mm Glasswool (0.040 W/mK)
SuperQuilt and 110mm PIR (0.022 W/mK)
SuperQuilt and 180mm Glasswool (0.040 W/mK)

U-Value

0.18 W/m²k
0.18 W/m²k
0.15 W/m²k
0.15 W/m²k

Description (rafters at 600mm centres)

SuperQuilt and 70mm PIR (0.022 W/mK)
SuperQuilt and 120mm Glasswool (0.040 W/mK)
SuperQuilt and 95mm PIR (0.022 W/mK)
SuperQuilt and 165mm Glasswool (0.040 W/mK)

U-Value

0.18 W/m²k
0.18 W/m²k
0.15 W/m²k
0.15 W/m²k

Over Rafter Pitch Roof

Fixing Instructions

Installation of SuperQuilt for over rafter applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

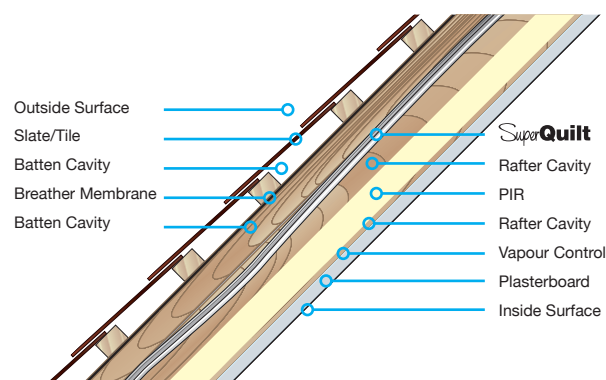
SuperQuilt is applied directly from the roll either vertically or horizontally depending on the rafter height, pulled tight and stapled onto the rafters at minimum 300mm centres.

SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the rafters, the joints should be sealed using YBS Foil Tape. Additionally, at the eaves SuperQuilt is cut around the rafters and sealed to the Cavity wall insulation or wall plate.

Parallel battens, recommended 38mm by 50mm are fixed to the rafters. Battens must always be fixed around the perimeter of windows.

A breather membrane is fitted in accordance with the manufacturers fixing details above the battens before tile battens and tiles. A vapour control layer should be fitted behind plasterboard to prevent any risk of interstitial condensation.

U-Value Combined Method (W/m²K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m²K/W)
Outside Surface	-	-	0.040
Slate/Tile	10.00	-	-
Batten Cavity	25.00	-	-
Breather Membrane	-	-	-
Batten Cavity	38.00	-	0.490
SuperQuilt	14.00	-	1.520
Rafter Cavity	25.00	-	0.490
PIR	70.00	0.022	3.182
Rafter Cavity	40.00	-	0.340
Vapour Control	-	-	-
Plasterboard	12.50	0.190	0.066
Inside Surface	-	-	0.100
Total Resistance			6.292



Calculated to include timber bridging

U-Value table

All calculations are based on 50mm rafters and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (rafters at 400mm centres)

SuperQuilt and 80mm PIR (0.022 W/mk)
 SuperQuilt and 135mm Glasswool (0.040 W/mK)
 SuperQuilt and 115mm PIR (0.022 W/mk)
 SuperQuilt and 185mm Glasswool (0.040 W/mk)

Description (rafters at 600mm centres)

SuperQuilt and 70mm PIR (0.022 W/mk)
 SuperQuilt and 125mm Glasswool (0.040 W/mK)
 SuperQuilt and 100mm PIR (0.022 W/mk)
 SuperQuilt and 170mm Glasswool (0.040 W/mk)

U-Value

0.18 W/m²k
 0.18 W/m²k
 0.15 W/m²k
 0.15 W/m²k

U-Value

0.18 W/m²k
 0.18 W/m²k
 0.15 W/m²k
 0.15 W/m²k

Two Layer Pitch Roof

Fixing Instructions

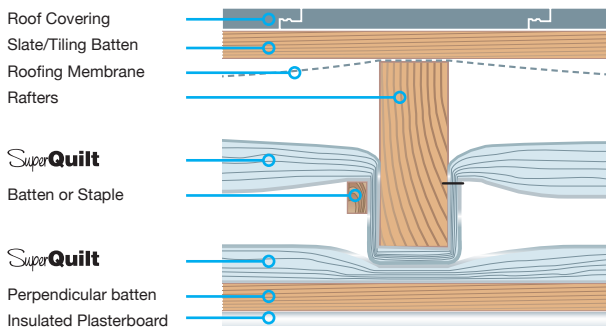
Installation of SuperQuilt for under rafter applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

For recessed installation please see page 10.

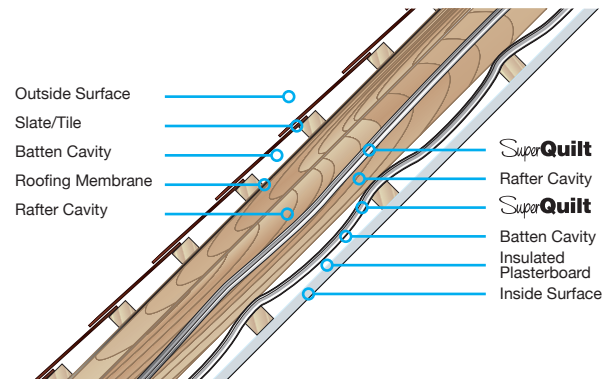
For under rafter installation please see page 3 fixing instructions.

When installing two layers of SuperQuilt a 38mm air space should be maintained between layers at all times.

See installation video at www.ybsinsulation.com



U-Value Combined Method (W/m²K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m²K/W)
Outside Surface	-	-	0.040
Slate/Tile	10.00	-	-
Batten Cavity	25.00	-	-
Roofing Membrane	-	-	-
Rafter Cavity	38.00	-	0.490
SuperQuilt	14.00	-	1.520
Rafter Cavity	38.00	-	0.490
SuperQuilt	14.00	-	1.520
Batten Cavity	25.00	-	0.490
Insulated Plasterboard	27.00	-	0.630
Inside Surface	-	-	0.100
Total Resistance			5.784



Calculated to include timber bridging

U-Value table

All calculations are based on 50mm rafters and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (rafters at 400mm centres)

SuperQuilt (2 Layers) with 40mm insulated Plasterboard (XPS) (1.070 m²K/W)	0.18 W/m²k
SuperQuilt (2 Layers) and 50mm PIR (0.022 W/mK)	0.15 W/m²k
SuperQuilt (2 Layers) and 85mm Glasswool (0.044 W/mk)	0.15 W/m²k
SuperQuilt (2 Layers) and 57.5mm Insulated Plasterboard (PIR) (2.2 m²K/W)	0.15 W/m²k

Description (rafters at 600mm centres)

SuperQuilt (2 Layers) with 40mm insulated Plasterboard (XPS) (1.070 m²K/W)	0.18 W/m²k
SuperQuilt (2 Layers) and 45mm PIR (0.022 W/mK)	0.15 W/m²k
SuperQuilt (2 Layers) and 75mm Glasswool (0.044 W/mk)	0.15 W/m²k
SuperQuilt (2 Layers) and 57.5mm Insulated Plasterboard (PIR) (2.2 m²K/W)	0.15 W/m²k

Under Joist Flat Roof

Fixing Instructions

Installation of SuperQuilt for under joist flat roof applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

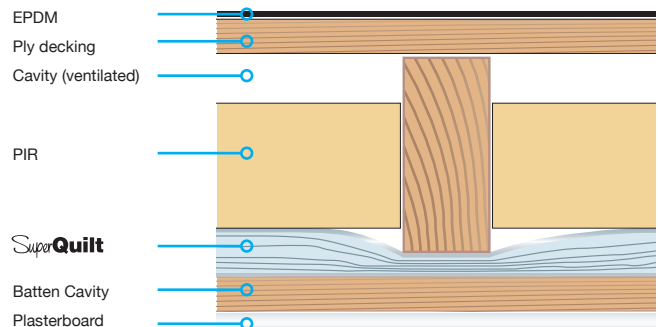
SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the joists, the joints should be sealed using YBS Foil Tape. When SuperQuilt is cut to fit around openings or connections, gaps must be minimized and any exposed cut edges should be sealed with YBS Foil Tape to prevent condensation.

SuperQuilt should be cut equal to the width of the roof section plus 100mm. Installation should start from the external wall with SuperQuilt being unrolled perpendicular to the joists, after which it is fixed using staples, nails or YBS saddle clips.

SuperQuilt should be held in place using timber battens or by other means as shown, in such a way that there is a nominal 25mm air cavity above the product (if applicable) and a nominal 25mm air cavity below. To minimize the effect of thermal bridging cross battening is advised.

When installed below joists SuperQuilt will perform as a vapour barrier.

U-Value Combined Method (W/m ² K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m ² K/W)
EPDM	-	-	-
Ply decking	-	-	-
Cavity (ventilated)	50.00	-	0.170
PIR	100.00	0.022	4.545
SuperQuilt	14.00	-	1.520
Batten Cavity	25.00	-	0.490
Plasterboard	12.50	0.190	0.066
Inside Surface	-	-	0.100
Total Resistance			6.891



U-Value table

All calculations are based on 50mm joists and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (joists at 400mm centres)

SuperQuilt and 160mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt and 210mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt and 140mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt and 180mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt and 100mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 135mm PIR (0.022 W/mk)	0.15 W/m ² k

Description (joists at 600mm centres)

SuperQuilt and 150mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt and 200mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt and 125mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt and 170mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt and 90mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 120mm PIR (0.022 W/mk)	0.15 W/m ² k

Under Joist Flat Roof

Fixing Instructions

Installation of SuperQuilt for under joist flat roof applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

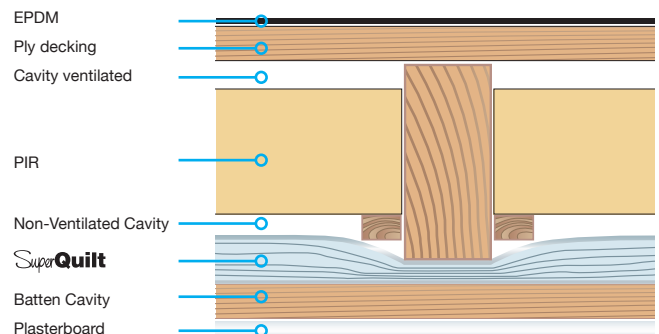
SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the joists, the joints should be sealed using YBS Foil Tape. When SuperQuilt is cut to fit around openings or connections, gaps must be minimized and any exposed cut edges should be sealed with YBS Foil Tape to prevent condensation.

SuperQuilt should be cut equal to the width of the roof section plus 100mm. Installation should start from the external wall with SuperQuilt being unrolled perpendicular to the rafters, after which it is fixed using staples, nails or YBS saddle clips.

SuperQuilt should be held in place using timber battens or by other means as shown, in such a way that there is a nominal 25mm air cavity above the product (if applicable) and a nominal 25mm air cavity below. To minimize the effect of thermal bridging cross battening is advised.

When installed below joists SuperQuilt will perform as a vapour barrier.

U-Value Combined Method (W/m ² K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m ² K/W)
EPDM	-	-	-
Ply decking	-	-	-
Cavity (ventilated)	50.00	-	0.170
PIR	90.00	0.022	4.091
Cavity (non-ventilated)	25.00	-	0.490
SuperQuilt	14.00	-	1.520
Batten Cavity	25.00	-	0.490
Plasterboard	12.50	-	0.066
Inside Surface	-	-	0.100
Total Resistance			6.927



U-Value table

All calculations are based on 50mm joists and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (joists at 400mm centres)

SuperQuilt and 140mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt and 190mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt and 120mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt and 170mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt and 90mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 120mm PIR (0.022 W/mk)	0.15 W/m ² k

Description (joists at 600mm centres)

SuperQuilt and 130mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt and 175mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt and 110mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt and 150mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt and 80mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 110mm PIR (0.022 W/mk)	0.15 W/m ² k

Over Joist Flat Roof

Fixing Instructions

Installation of SuperQuilt for over joist flat roof applications and additional insulation products should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the joists, the joints should be sealed using YBS Foil Tape. When SuperQuilt is cut to fit around openings or connections, gaps must be minimized and any exposed cut edges should be sealed with YBS Foil Tape to prevent condensation.

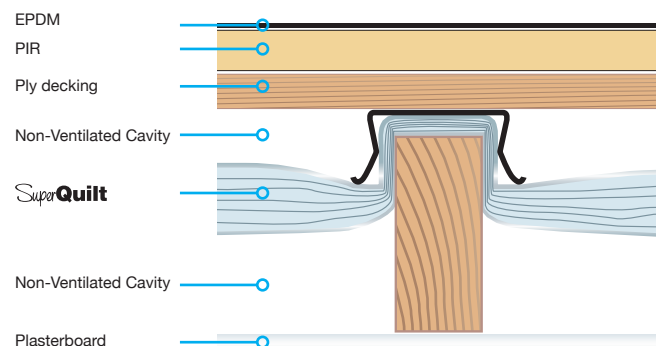
SuperQuilt should be cut equal to the width of the roof section plus 100mm. Installation should start from the external wall with SuperQuilt being unrolled perpendicular to the rafters, after which it is fixed using staples or nails or with saddle clips.

SuperQuilt should be held in place using timber battens or by other means as shown, in such a way that there is a nominal 25mm air cavity above the product (if applicable) and a nominal 25mm air cavity below. To minimize the effect of thermal bridging cross battening is advised.

Additional insulation should be installed above the SuperQuilt.

When installed below joists SuperQuilt will perform as a vapour barrier.

U-Value Combined Method (W/m ² K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m ² K/W)
EPDM	-	-	0.040
PIR	65.00	0.022	2.955
Ply decking	18.00	0.130	0.138
Non-Ventilated Cavity	25.00	-	0.490
SuperQuilt	14.00	-	1.520
Non-Ventilated Cavity	75.00	-	0.490
Plasterboard	12.50	0.190	0.066
Inside Surface	-	-	0.100
Total Resistance			5.799



U-Value table

All calculations are based on 50mm joists and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (joists at 400mm centres)

SuperQuilt and 65mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 90mm PIR (0.022 W/mk)	0.15 W/m ² k
SuperQuilt and 85mm XPS (0.029 W/mk)	0.18 W/m ² k
SuperQuilt and 120mm XPS (0.029 W/mk)	0.15 W/m ² k
SuperQuilt and 110mm EPS (0.038 W/mk)	0.18 W/m ² k
SuperQuilt and 150mm EPS (0.038 W/mk)	0.15 W/m ² k

Description (joists at 600mm centres)

SuperQuilt and 65mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt and 90mm PIR (0.022 W/mk)	0.15 W/m ² k
SuperQuilt and 85mm XPS (0.029 W/mk)	0.18 W/m ² k
SuperQuilt and 120mm XPS (0.029 W/mk)	0.15 W/m ² k
SuperQuilt and 105mm EPS (0.038 W/mk)	0.18 W/m ² k
SuperQuilt and 145mm EPS (0.038 W/mk)	0.15 W/m ² k

Two Layer Flat Roof

Fixing Instructions

Installation of SuperQuilt for over and under rafter flat roof applications with additional insulation should be in accordance with the manufacturers certificate, fixing instructions and current good building practice.

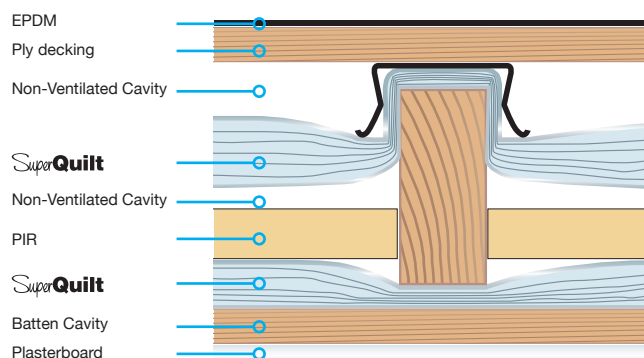
SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the rafters, the joints should be sealed using YBS Foil Tape. When SuperQuilt is cut to fit around openings or connections, gaps must be minimized and any exposed cut edges should be sealed with YBS Foil Tape to prevent condensation.

SuperQuilt should be cut equal to the width of the roof section plus 100mm. Installation should start from the external wall with SuperQuilt being unrolled perpendicular to the joists, after which it is fixed using staples, nails or YBS saddle clips.

SuperQuilt should be held in place using timber battens or by other means as shown, in such a way that there is a nominal 25mm air cavity above the product (if applicable) and a nominal 25mm air cavity below. To minimize the effect of thermal bridging cross battening is advised.

When installed below joists SuperQuilt will perform as a vapour barrier.

U-Value Combined Method (W/m ² K)			0.18
	Thickness (mm)	Conductivity (W/mK)	Resistance (m ² K/W)
EPDM	-	-	0.040
Ply decking	18.00	0.130	0.138
Non-Ventilated Cavity	25.00	-	0.490
SuperQuilt	14.00	-	1.520
Non-Ventilated Cavity	25.00	-	0.490
PIR	25.00	0.022	1.136
SuperQuilt	14.00	-	1.520
Batten Cavity	25.00	-	0.490
Plasterboard	12.50	0.190	0.066
Inside Surface	-	-	0.100
Total Resistance			5.990



U-Value table

All calculations are based on 50mm joists and include the effect of cold bridging. For individual calculation please contact the technical team on 0871 917 0044

Description (joists at 400mm centres)

SuperQuilt (2 Layers) and 50mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 100mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt (2 Layers) and 40mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 90mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt (2 Layers) and 30mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 65mm PIR (0.022 W/mk)	0.15 W/m ² k

Description (joists at 600mm centres)

SuperQuilt (2 Layers) and 50mm Mineral Wool (0.040 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 90mm Mineral Wool (0.040 W/mk)	0.15 W/m ² k
SuperQuilt (2 Layers) and 40mm Mineral Wool (0.033 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 80mm Mineral Wool (0.033 W/mk)	0.15 W/m ² k
SuperQuilt (2 Layers) and 25mm PIR (0.022 W/mk)	0.18 W/m ² k
SuperQuilt (2 Layers) and 55mm PIR (0.022 W/mk)	0.15 W/m ² k

Recessed Detail

Over Rafter Application

Where roof height is critical SuperQuilt can be recessed between the rafters.

1. SuperQuilt is stapled to the top of the first rafter.
2. SuperQuilt is recessed into the rafter void and fixed with staples or with battens.
3. The material is then fixed to opposite rafter as per instruction 2.
4. SuperQuilt is then wrapped around the rafter and the procedure starts again.

Once all the SuperQuilt is fitted, all joints should be taped using YBS Foil Tape.

A breather membrane is then fitted in accordance with the manufacturers fitting instructions.

Tile batten and tiles can then be fitted.

Under Rafter Application

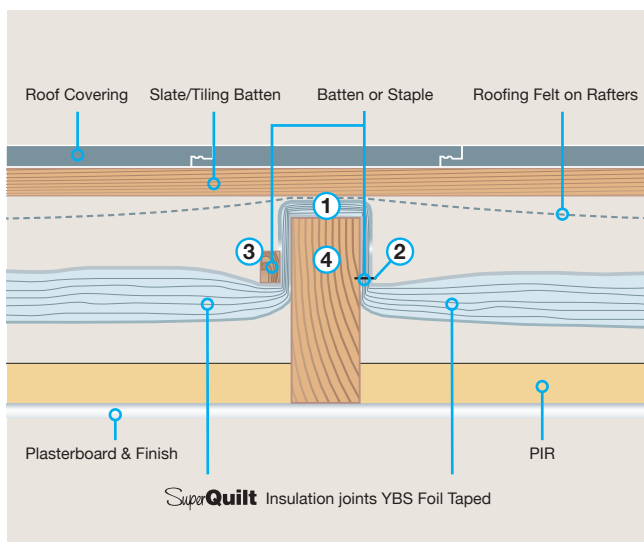
Ensure that there is an airspace above the SuperQuilt at all times.

1. SuperQuilt is stapled to the underside of the first rafter.
2. SuperQuilt is recessed into the rafter void and fixed with staples or with battens.
3. The material is then fixed to opposite rafter as per instruction 2.
4. SuperQuilt is then wrapped around the rafter and the procedure starts again.

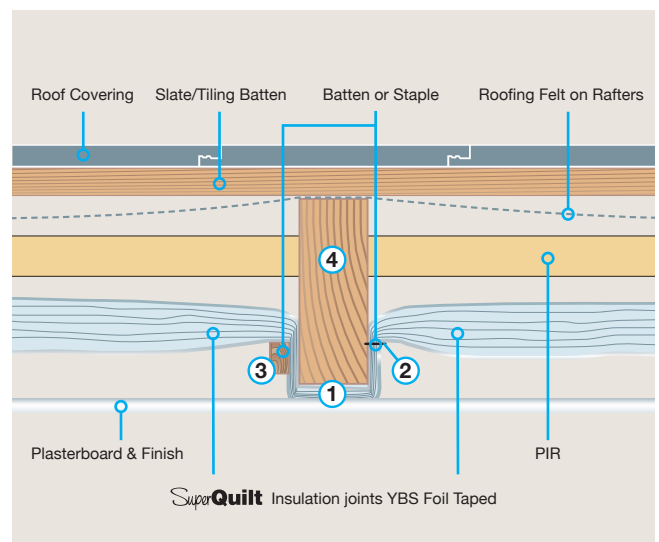
Once all the SuperQuilt is fitted, all joints should be taped using YBS Foil tape.

Plasterboard can then be fixed directly to the underside of the rafters below the SuperQuilt.

Over Rafter



Under Rafter



To see an easy way to recess SuperQuilt, please see our installation video (Superquilt Double Layer) at www.ybsinsulation.com

Purlin Details

Between Purlins Application

SuperQuilt is fixed horizontally or vertically and stapled to the underside of the rafters.

At the purlins the SuperQuilt is turned up and stapled in place.

Perpendicular Battens are fixed through the SuperQuilt into the rafters, at the purlins the battens are fixed into the rafters crushing the SuperQuilt tightly against the purlins.

Plasterboard can then be fixed to the battens.

Around Purlins Application

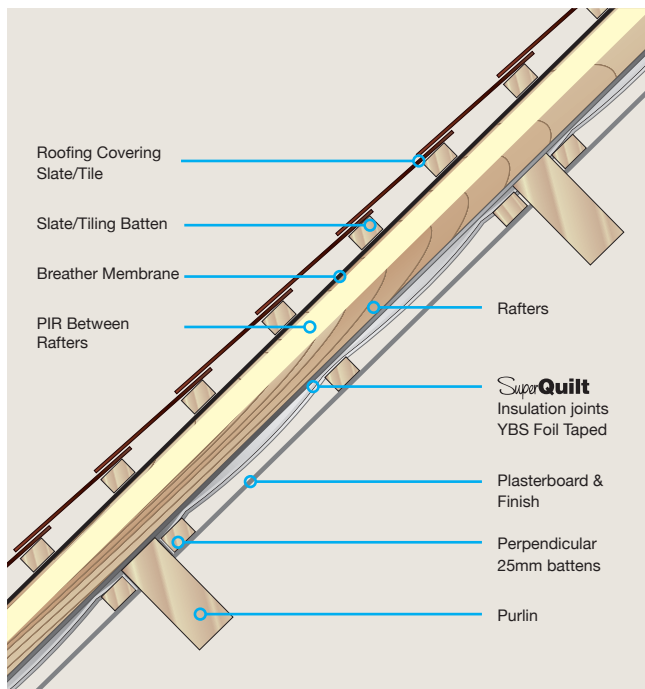
SuperQuilt is fixed horizontally or vertically and stapled to the underside of the rafters.

At the purlins the SuperQuilt is cut and pushed behind the purlins then taped to the next piece at the opposite side of the purlin.

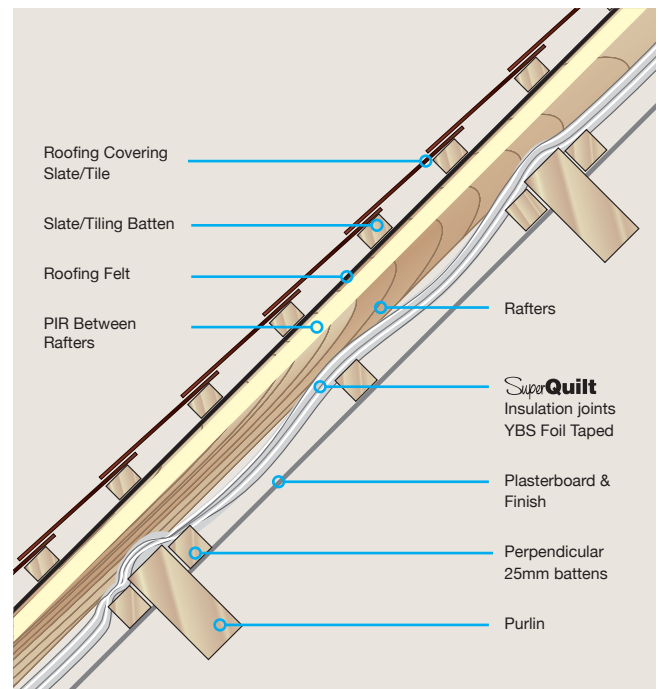
Perpendicular Battens are fixed through the SuperQuilt into the rafters.

Plasterboard can then be fixed to the battens.

Between Purlins

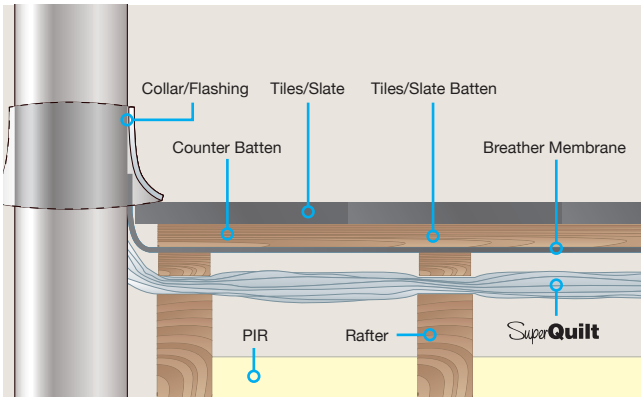


Around Purlins



Detailing

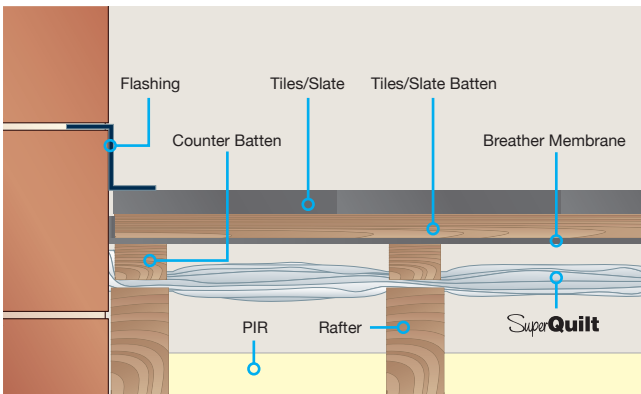
Vents / Light Pipes



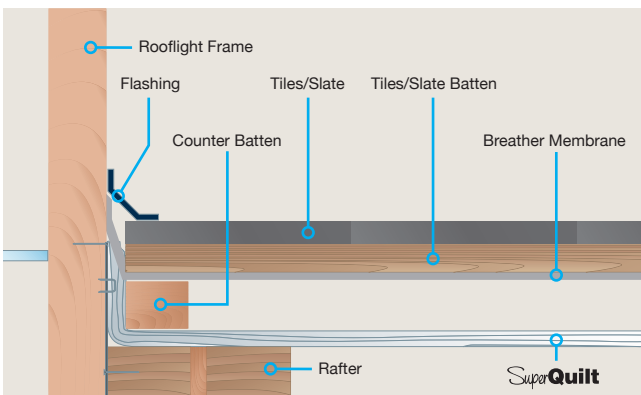
Fixing Instructions

SuperQuilt is fixed above rafters as per fixing details and turned up at the vent/wall/rooflight and sealed with YBS Foil Tape. Battens are placed on the rafters above the SuperQuilt. A breather membrane is fixed above the battens and finished by turning up at the vent/wall/rooflight and sealing to the vent/wall/rooflight. Tile battens are fixed in place. The flashing/collar for the vent/wall/rooflight is fitted above the tile battens and then tiles.

Flashing



Rooflight



Over Rafter Fixing Details

SuperQuilt is stapled to the rafters. At the eaves the SuperQuilt is cut and taken down between the rafters to the cavity wall insulation or the wall plate. The SuperQuilt needs to be sealed with staples and taped to the rafters and the cavity wall insulation or wall plate to create an airtight envelope.

Under Rafter Fixing Details

SuperQuilt is stapled to the underside of the rafters. At the eaves the SuperQuilt is cut and taken down between the joists to the cavity wall insulation or the wall plate. The material needs to be fixed to the rafters with minimum 14mm staples and taped to the joists and cavity wall insulation or wall plate so that an airtight envelope is created.

Foil taped joints

SuperQuilt should be overlapped at each joint by approx. 50mm and stapled onto the battens, the joints should be sealed using YBS 75mm Foil Tape.

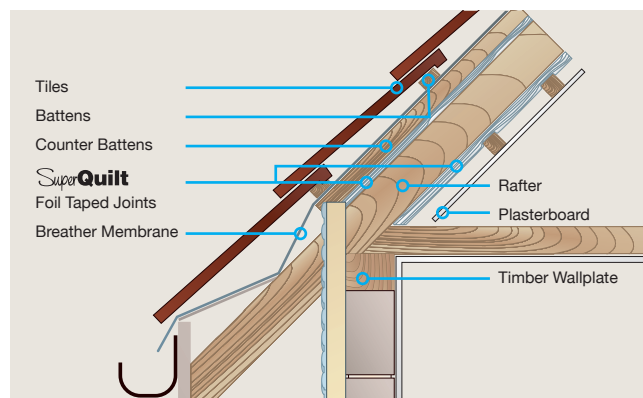
Vapour control layer

When all joints are sealed using foil tape SuperQuilt also works as a vapour control layer.

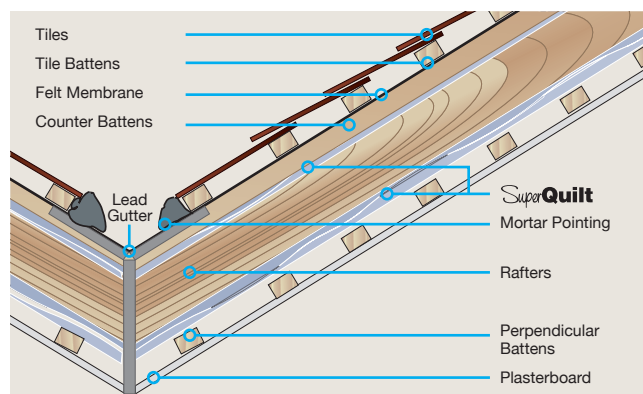
- SuperQuilt knife available
- YBS Foil joining tape available



Eaves

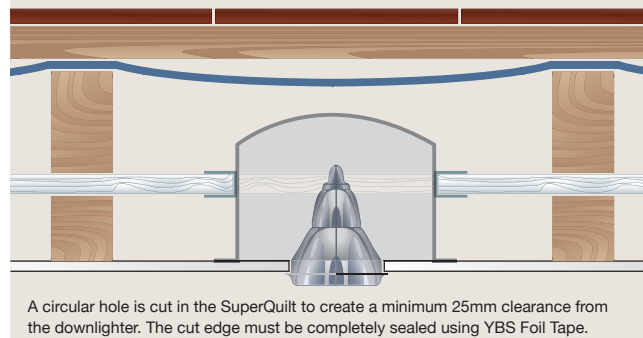


Valleys



Downlighters

YBS recommend fire hoods are used with all recessed lighting.



A circular hole is cut in the SuperQuilt to create a minimum 25mm clearance from the downlighter. The cut edge must be completely sealed using YBS Foil Tape.



CAD Drawings

Can now be downloaded
from www.ybsinsulation.com

Technical Properties

Product Description

19 Components

Thickness	40mm approx.	
Weight	880g/m ²	
Mechanical Properties	Value	Reference Standard
Thermal performance		
Core	1.52m ² K/W	BS EN 16012
Core +Airsaces	2.50m ² K/W	BS EN 6946
Flammability	Class E	BS EN 13501-1
Water vapour resistance	1569MNs/g	BS EN 12572
Emission coefficients of surfaces	0.02	BS EN 16012
Tensile strength	142KPA	BS EN 1608
Packaging	15m²	7.5m²
Width	1.5m	1.5m
Length	10m	5m
Weight	12.5Kg	6.25Kg

YBS Insulation

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