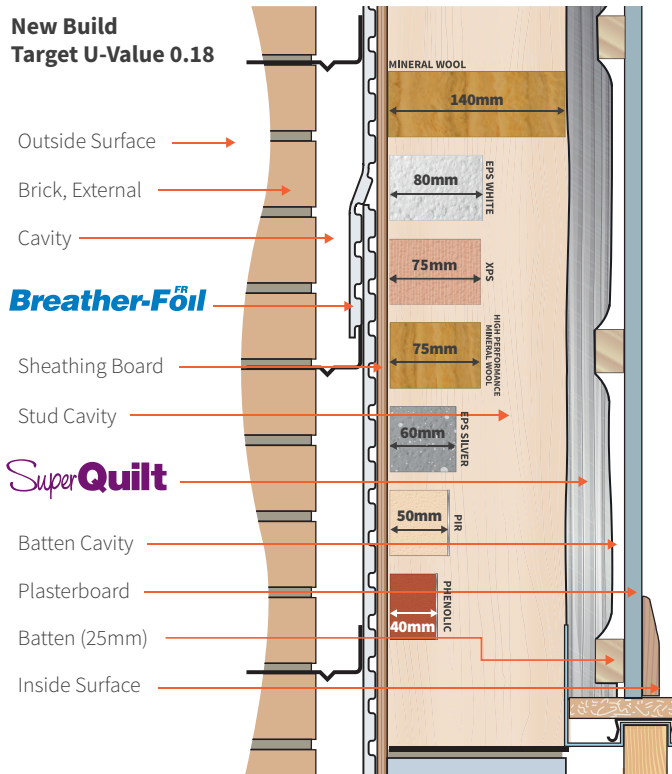


## New Build Timber Frame Wall

**New Build**  
Target U-Value 0.18



The above image shows the thickness variants for traditional insulations when used with YBS *SuperQuilt*

ADDITIONAL INSULATION REQUIRED	TIMBER FRAME 140mm STUDS	TIMBER FRAME 89mm STUDS
<b>Phenolic</b> Conductivity = 0.18 W/mK	40mm	40mm
<b>PIR</b> Conductivity = 0.022 W/mK	50mm	50mm
<b>EPS Silver</b> Conductivity = 0.030 W/mK	60mm	70mm
<b>High Performance Mineral Wool</b> Conductivity = 0.032 W/mK	75mm	90mm
<b>XPS</b> Conductivity = 0.34 W/mK	75mm	N/A
<b>EPS White</b> Conductivity = 0.038 W/mK	80mm	N/A
<b>Mineral Wool</b> Conductivity = 0.044 W/mK	140mm	N/A

## The Benefits of SuperQuilt



**30% Cost Saving**  
Reduced amount of building materials



**Quick & Easy**  
Project completion time improved



**Reduced Waste**  
Less cutting of material



**10% Reduced Depth**  
Increasing available living space



**Reduces Condensation**  
Effective 2 in 1 insulation and vapour control membrane



Use *SuperQuilt*



YBS *BreatherQuilt* being installed over rafter



YBS *SuperQuilt* being installed under rafter



YBS *SuperQuilt* being installed in a dormer

## YBS Insulation

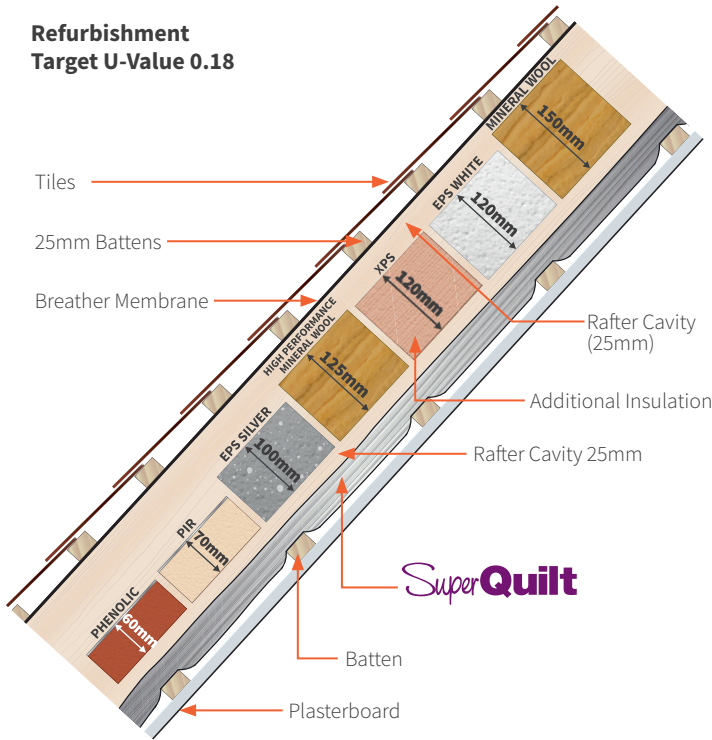
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Tel: +44 (0) 1909 721 662  
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Yorkshire Building Services Ltd  
Craggs Industrial Park, Morven Street,  
Creswell, Derbyshire, S80 4AJ

### Refurbishment Roof

**Refurbishment**  
Target U-Value 0.18

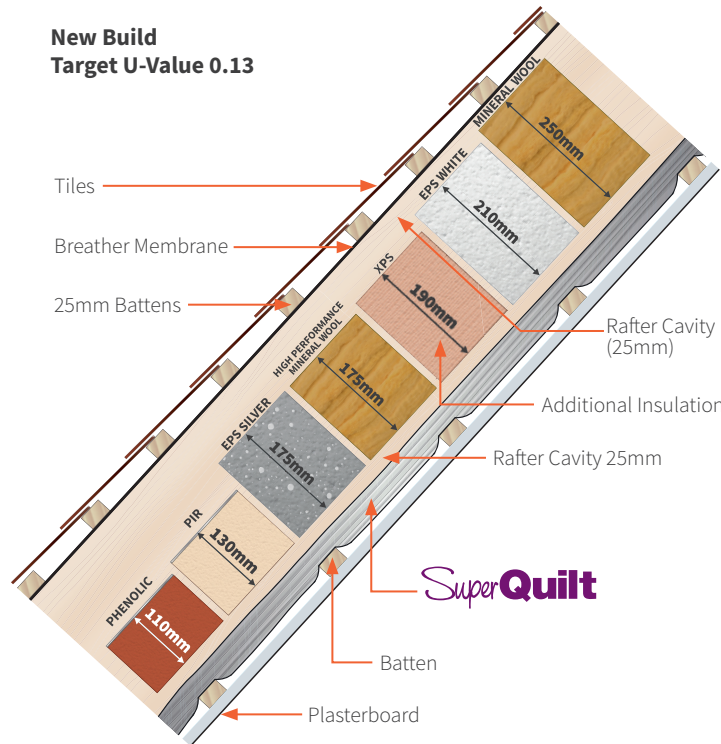


The above image shows the thickness variants for traditional insulations when used with YBS *SuperQuilt*

ADDITIONAL INSULATION REQUIRED	PITCH ROOF U-VALUE 0.18	RAFTER DEPTH REQUIRED
<b>Phenolic</b> Conductivity = 0.018 W/mK	60mm	110mm
<b>PIR</b> Conductivity = 0.022 W/mK	70mm	120mm
<b>EPS Silver</b> Conductivity = 0.030 W/mK	100mm	150mm
<b>High Performance Mineral Wool</b> Conductivity = 0.034 W/mK	125mm	150mm
<b>XPS</b> Conductivity = 0.034 W/mK	120mm	175mm
<b>EPS White</b> Conductivity = 0.038 W/mK	120mm	175mm
<b>Mineral Wool</b> Conductivity = 0.044 W/mK	150mm	200mm

### New Build Roof

**New Build**  
Target U-Value 0.13

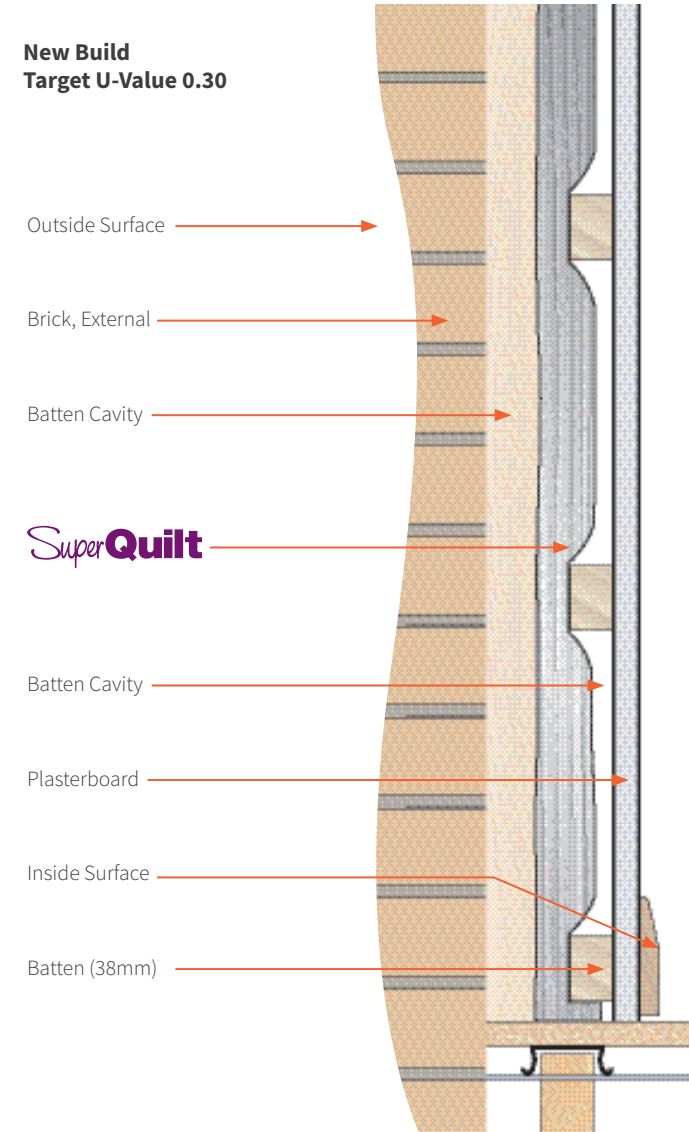


The above image shows the thickness variants for traditional insulations when used with YBS *SuperQuilt*

ADDITIONAL INSULATION REQUIRED	PITCH ROOF U-VALUE 0.13	RAFTER DEPTH REQUIRED
<b>Phenolic</b> Conductivity = 0.018 W/mK	110mm	170mm
<b>PIR</b> Conductivity = 0.022 W/mK	130mm	190mm
<b>EPS Silver</b> Conductivity = 0.030 W/mK	175mm	225mm
<b>High Performance Mineral Wool</b> Conductivity = 0.032 W/mK	175mm	230mm
<b>XPS</b> Conductivity = 0.034 W/mK	190mm	235mm
<b>EPS White</b> Conductivity = 0.038 W/mK	210mm	260mm
<b>Mineral Wool</b> Conductivity = 0.044 W/mK	250mm	290mm

### 9" Solid Wall

**New Build**  
Target U-Value 0.30



**Tel:** +44 (0) 1909 721 662  
**Fax:** +44 (0) 1909 721 442  
**Email:** sales@ybsinsulation.com

**Yorkshire Building Services Ltd**  
Craggs Industrial Park, Morven Street,  
Creswell, Derbyshire, S80 4AJ