

Insulation build-ups for EasySeam[®] Roof System

* Dependent on structural engineer specification

	Typical warm roof Build ups			
Roof element	R1	R2	R3	R4
EasySeam profile	0.675mm	0.675mm	0.675mm	0.675mm
Clear cavity unvented	2mm	2mm	2mm	2mm
Breather membrane	Protect Zytac	Protect Zytac	Protect Zytac	Protect Zytac
OSB3 board	18mm	18mm	18mm	18mm
Insulation above rafters	100mm Recticel Eurothane GP	100mm Recticel Eurothane GP	120mm Recticel Eurothane GP	120mm Recticel Eurothane GP
Timber board*	9mm	9mm	9mm	9mm
175mm rafter spacing	400mm	600mm	400mm	600mm
Insulation between rafters	30mm Recticel Eurothane GP	30mm Recticel Eurothane GP	100mm Recticel Eurothane GP	100mm Recticel Eurothane GP
Low emissivity cavity, unvented between rafters	145mm	145mm	75mm	75mm
Vapour control layer	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect
Service void	25mm battens	25mm battens	25mm battens	25mm battens
Plaster board	15mm	15mm	15mm	15mm
Plaster skim	3mm	3mm	3mm	3mm
U-value (W/m ² K)	0.15	0.15	0.11	0.11

	Typical cold roof Build ups			
Roof element	R1	R2	R3	R4
EasySeam profile	0.675mm	0.675mm	0.675mm	0.675mm
Clear cavity unvented	2mm	2mm	2mm	2mm
Breather membrane	Protect Zytac	Protect Zytac	Protect Zytac	Protect Zytac
OSB3 board	18mm	18mm	18mm	18mm
Well vented cavity	50mm	50mm	50mm	50mm
175mm rafter spacing	400mm	600mm	400mm	600mm
Insulation between rafters	100mm Recticel Eurothane GP	100mm Recticel Eurothane GP	120mm Recticel Eurothane GP	120mm Recticel Eurothane GP
Low emissivity cavity, unvented between rafters	25mm	25mm	5mm	5mm
Insulation below rafters	40mm Recticel Eurothane GP	30mm Recticel Eurothane GP	100mm Recticel Eurothane GP	90mm Recticel Eurothane GP
Vapour control layer	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect	Permevent Envirotec AVCL 150 Reflect
Service void	25mm battens	25mm battens	25mm battens	25mm battens
Plaster board	15mm	15mm	15mm	15mm
Plaster skim ²	3mm	3mm	3mm	3mm
U-value (W/m K)	0.15	0.15	0.11	0.11

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