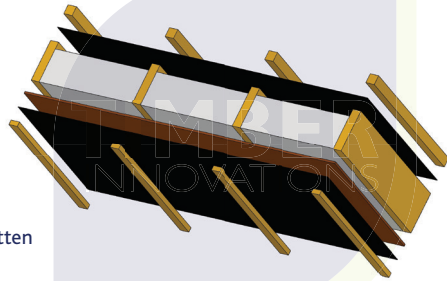


Standard Roof Cassette Range

TIMBER INNOVATIONS

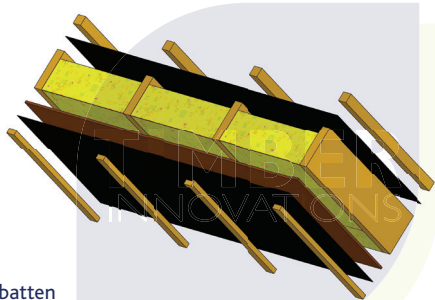
U = 0.18



TOP

- 50x50mm counter batten
- Breather membrane
- TR 26 rafter with high performance insulation between
- 11mm OSB
- Vapour control layer
- 25x50mm service batten

BOTTOM



U = 0.15

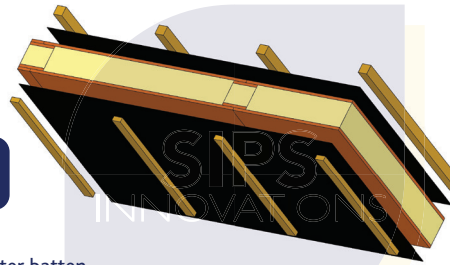
TOP

- 50x50mm counter batten
- Breather membrane
- TR 26 rafter with high performance insulation between
- 11mm OSB
- Vapour control layer
- 25x50mm service batten

BOTTOM

SIPS INNOVATIONS

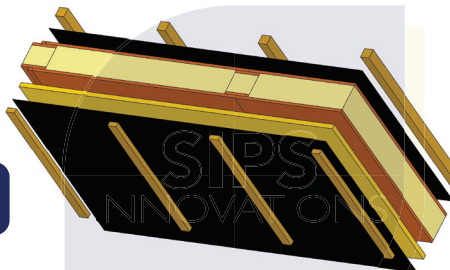
U = 0.16



TOP

- 50x50mm counter batten
- Breather membrane
- 172mm SIPs
- Vapour control layer
- 25x50mm service batten

BOTTOM



U = 0.13

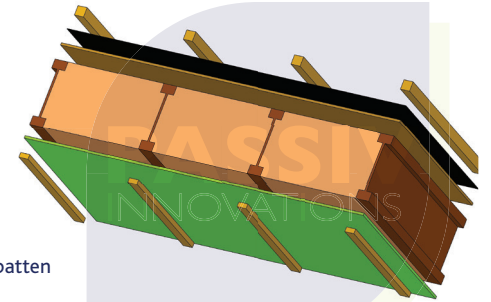
TOP

- 50x50mm counter batten
- Breather membrane
- 172mm SIPs
- Additional layer of PIR
- Vapour control layer
- 25x50mm service batten

BOTTOM

PASSIV INNOVATIONS

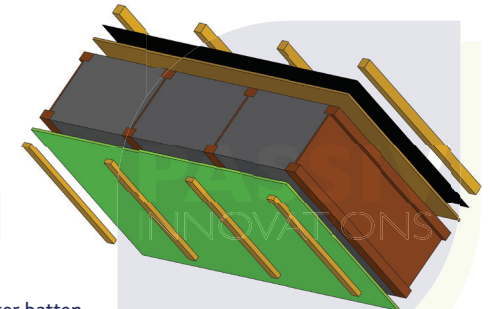
U = 0.13



TOP

- 50x50mm counter batten
- Breather membrane
- 12mm breathable fibre board insulation layer
- 350mm I-joist fully filled with woodfibre insulation
- 12.5mm airtight board with taped joints
- 25x50mm service batten

BOTTOM



U = 0.11

TOP

- 50x50mm counter batten
- Breather membrane
- 12mm breathable fibre board insulation layer
- 400mm I-joist fully filled with blown cellulose insulation
- 12.5mm airtight board with taped joints
- 25x50mm service batten

BOTTOM

We can accommodate any U-value either as TIPs, SIPs or Passiv Solutions. Please discuss your project-specific requirements with the team.

Please call **0121 314 7735** for more information www.timberinnovations.co.uk

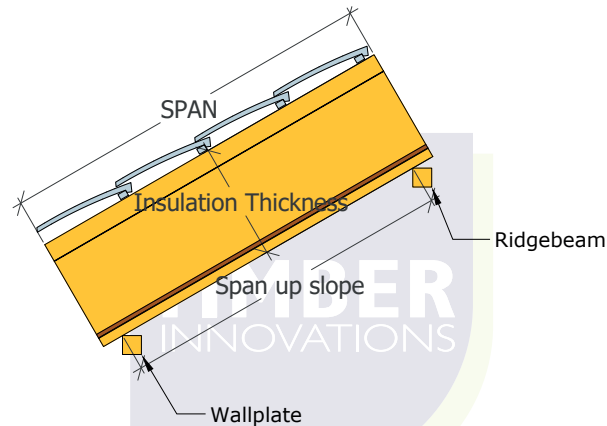
Standard Roof Cassettes

ACOUSTICS



- We have experience with factory assembled cassettes enhanced to avoid acoustic "break-out" - including varied-density insulation, strip isolators, acoustic breaks at fixings and multi-layer top/bottom board faces.
- Specialist project solutions such as recording studios and theatres - all needing acoustician input: our manufacturing capability can deliver whatever is required.

SPAN & U-VALUE



Rafter Type	Typical Span Up Slope	U-Value Options		
		Rigid Insulation	Quilt or Equivalent	Natural Insulation
Solid Rafter	Up to 6m @223mm deep	0.15	0.20	0.21
Metal Web Joists	Up to 9m @350mm deep	0.11	0.12	0.13
Engineered Timber Joists	Up to 12m @400mm deep	0.10	0.11	0.11

Thermal enhancement can be made to all of the above by adding an additional insulation layer - discuss with our team.

- U-values are guidance only
- SIPs roof options available from 0.16 to 0.11 U-value in lieu of insulated cassettes
- Large format cassettes up to 12m length can be manufactured
- We can offer feature trusses using glulam or greenoak to support these cassettes

FIRE



- Fire resistant details in accordance with product test data
- Solutions for 30 mins, 60 mins & above
- We have experience with enhanced performance using (for example) FR grade OSB and Class O paint finishes
- Note - Refer to Timber Innovations for confirmation of specification for "breathable" cassettes option