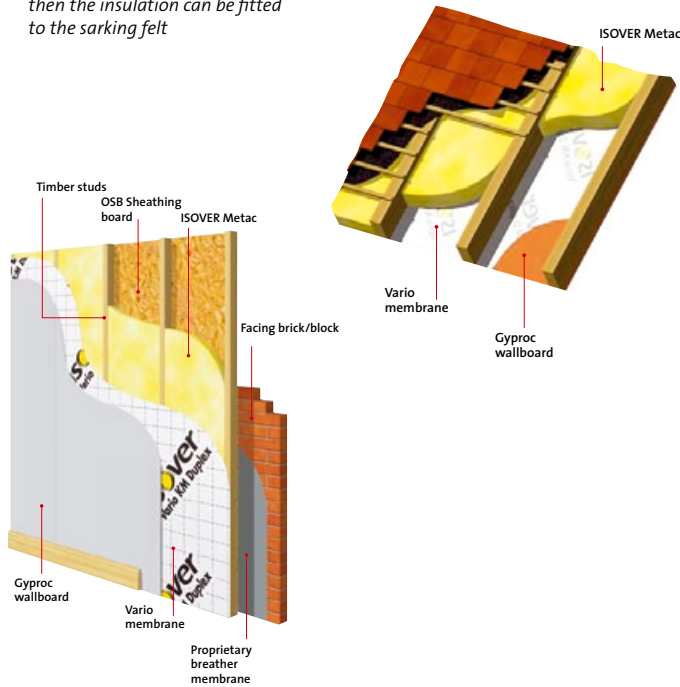


## U-value – pitched roofs

Insulation thickness	Ceiling lining:	Ceiling membrane:	U-value W/m <sup>2</sup> K
180mm Metac	Gyproc Wallboard	Vario KM Duplex	0.20
150mm Metac + 42.5m Calibel	Gyproc Wallboard	Vario KM Duplex	0.20
150mm Metac + 50mm batt	Gyproc Wallboard	Vario KM Duplex	0.20
220mm Metac	Gyproc Wallboard	Vario KM Duplex	0.17

If the sarking felt is vapour permeable then the insulation can be fitted to the sarking felt



## U-value – external walls

Product	U-value W/m <sup>2</sup> K	
	12% Lower timber fraction	15% Default timber fraction
150mm metac	0.25	0.26
180mm Metac	0.22	0.23
220mm Metac	0.17	0.18

## Product details

Thickness mm	Width mm	Length m	Area per roll m <sup>2</sup>	Thermal conductivity W/mK	Thermal resistance m <sup>2</sup> K/W
25	2 x 1200	10	24	0.034	0.74
50	1200	12	14.4	0.034	1.47
90	1200	8	9.6	0.034	2.65
100	1200	7	8.4	0.034	2.94
150	1200 (solid or split x 3)	4.8	5.76	0.034	4.41
180	1200 (solid or split x 3)	4	4.8	0.034	5.29
220	1200	3.3	3.96	0.034	6.47

CE Marked: EN 13162:2001-10.  
Completely fire safe - Euroclass A1 fire rating when classified in accordance with BS EN 13501-1.



Insulating rafters?  
Its easy with Isover Metac

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Isover reserve the right to alter or amend product specification without notice. The information given in this publication is correct to the best of our knowledge at the time of publication. Whilst Isover will endeavour to ensure publications are up to date, it is the users responsibility to check with us that it is correct prior to use.



## What's Metac?

Metac is a high performance thermal insulation roll designed for a wide range of applications where space is at a premium and an excellent u-value is required.



### Where to use Metac



- Pitched roof – between rafters



- Timber frame walls
- Metallic buildings – cladding systems



## Why use Metac?

	Feature	Benefit
	Excellent thermal performance	Delivers excellent u-value, improving BER rating while reducing energy bills and carbon footprint. Requires less thickness than standard mineral wool insulation.
	Friction fits between rafters	Very easy to install. Conforms to any variations in rafter alignment and stays in place over time allowing for natural movement of timbers.
	Breathable	When used with a breathable roofing membrane, Metac can be full filled in the rafter, no need for an airspace. Complements airtightness and moisture control systems such as Vario™
	A1 fire-rating	Metac is totally non-combustible. Highest possible A1 rating means that Metac is the one of the safest materials available.
	Acoustic insulation	Substantially reduces rain/wind and traffic noise improving acoustic comfort.
	Easy to transport	Metac's compact roll format makes it very easy to transport and handle. This means fewer trips to your provider and no pre-cutting before it can be brought into tight spaces like attics.
	Environmentally friendly	Made from recycled glass. Low carbon footprint at manufacture

