



# ISOVER METAC



## Thermal and acoustic insulation for pitched roof rafter applications

Metac is a high performance glass mineral wool 'slab on a roll' insulation supplied in 50-200mm thicknesses.

### Features and Benefits

**Cost effective**  
**Cost-effective**  
 Great value solution compared to other insulation materials.

**Thermal**  
**High performance thermal insulation**  
 Thermal conductivity of 0.034 W/mK allows you to meet a wide range of U-values.

**Acoustic**  
**Excellent acoustic performance**  
 Weighted sound reduction of 49 dB (R<sub>w</sub>)\*, delivering excellent external noise reduction on-site compared to other insulation materials.

**Quick to install**  
**Quick to install**  
 Friction fits between rafters (eliminating air gaps). Easy to handle and cut. No slumping. Minimal waste.

**Recycled glass**  
**Recycled content**  
 Manufactured from up to 80% recycled content.

**Non-combustible**  
**Non-combustible**  
 Isover Metac has an A1 Euroclass fire rating - the best attainable.

### Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Pack area (m <sup>2</sup> )	Packs per pallet	Pallet area (m <sup>2</sup> )	λ <sub>0</sub> Declared thermal conductivity (W/mK)	R <sub>0</sub> Declared thermal resistance (m <sup>2</sup> K/W)
5200819227	50	1200	9300	11.16	18	200.88	0.034	1.45
5200819232	125	1200	4800	5.76	18	103.68	0.034	3.65
5200819233	175	1200	3500	4.20	18	75.60	0.034	5.10
5200819234	200	1200	3200	3.84	18	69.12	0.034	5.85

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**Reference code: I-MET-PDS-1804**

\*Acoustic testing to BS EN ISO 10140-2:2010. Test report available on request





# CHARACTERISTICS

Characteristic	Description
<b>Thermal</b>	Isover Metac has a declared thermal conductivity of 0.034 W/mK under BS EN 13162 for factory made mineral wool.
<b>Fire</b>	Euroclass A1 fire rating when classified to BS EN 13501-1. Class 'O' compliance.
<b>Environmental</b>	All Isover products are manufactured under Environmental Management System – ISO 14001. Zero ODP (Ozone Depletion Potential), GWP < 5 (Global Warming Potential). The manufacturing process does not use or contain CFC's, HCFC's or other damaging gases.
<b>BRE statements</b>	Metac corresponds to the BRE Global Green Guide online generic specification 'Glass wool insulation - density 24 kg/m <sup>3</sup> , ref 815320002 which achieves a summary rating of A+ within the Domestic, Health, Industrial, Commercial, Retail and Education categories. NB: The density stated above is part of a generic BRE classification and does not reflect the exact specification of the product.
<b>Quality</b>	All Isover products are manufactured under Quality Management Standard – ISO 9001.
<b>Building regulations</b>	Helps to meet the requirements of UK thermal building regulations.
<b>Recycled content</b>	Metac is manufactured from up to 80% recycled glass, making it one of the most environmentally sustainable insulation products on the market today.
<b>Durability</b>	Thermal conductivity of mineral wool products does not change with time. Experience has shown the fibre structure to be stable and the fibre matrix contains no other gases than atmospheric air (see standard EN 13162). Will not sustain vermin, nor breed or promote fungi or bacteria.
<b>Handling and storage</b>	Isover products are supplied fully palletised, offering the following benefits: <ul style="list-style-type: none"> <li>• Weatherproof packaging for outside storage</li> <li>• Reduced haulage costs</li> <li>• Less handling therefore less damage</li> <li>• Reduced storage space</li> <li>• Faster loading, unloading and counting</li> </ul>
<b>Health and safety</b>	A safe in use instruction sheet can be obtained from the Isover website.
<b>Certification</b>	CE marked (1121-CPD-BA0053) to BS EN 13162. Designation Code: MW-EN-13162-T2.

**Customer Service -  
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