

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Isover Metac - Thermal insulation for pitched roof rafter applications

Description of Product

Isover Metac is a high performance mineral wool insulation material, manufactured on a roll for pitched roof rafter applications. The insulation has a declared thermal conductivity of 0.034 W m⁻¹ K⁻¹ and is manufactured from glass mineral wool that is produced from up to 80% recycled glass.

The product is easy to install with a friction fit possible if the material is cut accurately to suit the rafter spacing. Additional timber battens can then be fixed perpendicular over the Metac insulation and rafters, this will allow for additional insulation and plasterboard facing. Using thermal laminates (i.e. insulated plasterboard) or insulation sheets finished with a separate sheet of plasterboard are also other options.



Key Factors Assessed

- Safety in case of fire
- Health, hygiene and environmental
- Safety in use
- Energy economy and heat retention
- Durability serviceability and identification

Validity

This certificate was first issued on 15th January 2019 and is valid until 15th January 2020

Issue Dated 15th January 2019

Scope of Registration

Isover Metac insulation is used to insulate the roof between rafters above living areas within the attic area to maintain comfort and energy efficiency. It is essential that a habitable loft space is well insulated and airtight.

Metac is a glass mineral wool 'slab on a roll' insulation for pitched roof rafter applications which delivers excellent thermal performance. Metac also provides an acoustic benefit by reducing external noise by 49dB in UKAS accredited sound testing.

The fire rating of Metac is classed as 'non-combustible', achieving an A1 Euroclass rating.

Insulation thicknesses required for a roof U-value can be obtained from Isover technical information. The thermal properties are:

50mm thick – declared thermal resistance - $1.45\text{Wm}^2\text{K/W}$

125mm thick – declared thermal resistance - $3.65\text{Wm}^2\text{K/W}$

175mm thick – declared thermal resistance - $5.10\text{Wm}^2\text{K/W}$

200mm thick – declared thermal resistance - $5.85\text{Wm}^2\text{K/W}$

Conditions of Certificate

The product must be installed and used as per the manufacturer's instructions.

LABC consider that, Isover Metac will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The product is acceptable.
AD B	Fire safety
Note:	The product is acceptable.
AD C	Resistance to moisture
Note:	The product is acceptable as per the Conditions of Certificate.
AD F	Ventilation
Note:	The product is acceptable.
AD L1A	Conservation of fuel and power in new dwellings
Note:	The product is acceptable.



The Building Regulations 2010 (as amended) England

AD B	Fire safety
Note:	The product is acceptable
AD L1A	Conservation of fuel and power in new dwellings
Note:	The product is acceptable.



The Building Regulations 2010 (as amended) Wales

AD B	Fire safety
Note:	The product is acceptable
AD L1A	Conservation of fuel and power in new dwellings
Note:	The product is acceptable.



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the Isover Metac has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

Isover Document Reference: IS-DS-MET-1802 - Publish date: February 2018

Isover Declaration of Performance

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