

Product Data Sheet

Application: Ventilated Rainscreen & Overcladding Systems

ISOVER POLTERM MAX PLUS



Non-combustible thermal and acoustic insulation for ventilated rainscreen cladding and overcladding systems

Isover Polterm Max Plus is a stone wool slab covered with a black glass veil on one side. Certified by the British Board of Agrément (BBA), it can be considered for thermal and acoustic applications within ventilated rainscreen cladding and overcladding systems.

Isover Polterm Max Plus contains a water repellent additive to limit water absorption. The black glass veil can contribute to the aesthetics of the installation, as it prevents any 'show through' of the insulation from behind the façade system.

Features and Benefits



Fire Classification

Achieves a Euroclass A1 Reaction to Fire classification, according to EN 13501-1.



Thermal Performance

Thermal conductivity of 0.035 W/m.K. Helps to reduce heat loss within the building envelope and as a result decreases energy costs.



Acoustic Performance

Can help improve the acoustic performance of the external envelope, reducing unwanted external noise such as weather, aircraft, vehicles and trains. When used in British Gypsum external wall elements, Isover Polterm Max Plus can contribute towards a measurable reduction in airborne sound transmission. Refer to the British Gypsum White Book System Selector for system-specific data.



BBA Certified

Isover Polterm Max Plus has been assessed by the BBA as fit for use in defined applications (rainscreen cladding systems and timber or steel frame constructions) if installed, used and maintained as set out in the certificate. Please read the certification at isover.co.uk/BBA for full details and restrictions.



Ease of Install

Straightforward to install using standard insulation retaining fixings. The slabs will knit together when tightly butt jointed, eliminating gaps which could compromise performance.



Key Considerations

When using Isover Polterm Max Plus, you need to satisfy yourself that use of the product meets all relevant national Building Regulations and guidance as well as local, national and other applicable standards relevant for your construction or application, including requirements in relation to fire and applicable height restrictions.

Please refer to the following product documents which are available at isover.co.uk/products/isover-polterm-max-plus (product properties) and isover.co.uk/healthandsafety (safety properties):

- BBA certificate
- Declaration of Performance
- Health & safety datasheet

Product Specification

| Product code | Thickness (mm) | Length (mm) | Width (mm) | Slabs per pack | Pack area (m ²) | Packs per pallet | Pallet area (m ²) | AD Declared thermal conductivity (W/m.K) | RD Declared thermal resistance (m ² .K/W) |
|--------------|------------------|-------------|------------|----------------|-----------------------------|------------------|-------------------------------|--|--|
| 5200853441 | 50 ¹ | 1200 | 600 | 8 | 5.76 | 20 | 115.20 | 0.035 | 1.40 |
| 5200857710 | 60 ¹ | 1200 | 600 | 8 | 5.76 | 20 | 115.20 | 0.035 | 1.70 |
| 5200859245 | 75 | 1200 | 600 | 6 | 4.32 | 20 | 86.40 | 0.035 | 2.10 |
| 5200857711 | 80 ¹ | 1200 | 600 | 6 | 4.32 | 20 | 86.40 | 0.035 | 2.25 |
| 5200860194 | 90 ¹ | 1200 | 600 | 5 | 3.60 | 20 | 72.00 | 0.035 | 2.55 |
| 5200845634 | 100 | 1200 | 600 | 4 | 2.88 | 20 | 57.60 | 0.035 | 2.85 |
| 5200867422 | 110 ¹ | 1200 | 600 | 4 | 2.88 | 20 | 57.60 | 0.035 | 3.10 |
| 5200845635 | 120 | 1200 | 600 | 3 | 2.16 | 24 | 51.84 | 0.035 | 3.40 |
| 5200859246 | 125 ¹ | 1200 | 600 | 3 | 2.16 | 24 | 51.84 | 0.035 | 3.55 |
| 5200918358 | 130 ¹ | 1200 | 600 | 3 | 2.16 | 24 | 51.84 | 0.035 | 3.70 |
| 5200867423 | 140 ¹ | 1200 | 600 | 3 | 2.16 | 20 | 43.20 | 0.035 | 4.00 |
| 5200845636 | 150 | 1200 | 600 | 3 | 2.16 | 20 | 43.20 | 0.035 | 4.25 |
| 5200857712 | 160 ¹ | 1200 | 600 | 3 | 2.16 | 20 | 43.20 | 0.035 | 4.55 |
| 5200918360 | 170 ¹ | 1200 | 600 | 2 | 1.44 | 28 | 40.32 | 0.035 | 4.85 |
| 5200857713 | 180 ¹ | 1200 | 600 | 2 | 1.44 | 24 | 34.56 | 0.035 | 5.10 |
| 5200918362 | 190 ¹ | 1200 | 600 | 2 | 1.44 | 24 | 34.56 | 0.035 | 5.40 |
| 5200845637 | 200 ¹ | 1200 | 600 | 2 | 1.44 | 24 | 34.56 | 0.035 | 5.70 |

¹ Made to Order. Minimum order quantities apply.

Characteristics

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|----------------------|--|
| Thermal | Declared thermal conductivity of 0.035 W/m.K under EN 13162: Thermal insulation products for buildings. Factory made mineral wool (MW) products. |
| Fire | Euroclass A1 Reaction to Fire classification according to EN 13501-1. |
| Environmental | All Isover products are manufactured under Environmental Management System - ISO 14001:2015. |

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|---|---|
| Certification | UKCA Marked to BS EN 13162. CE marked to EN 13162. Designation code: MW-EN 13162-T5-DS(70,90)-WS-MU1. BBA Approved (CertNo:19/5672) for rainscreen cladding systems and timber or steel frame constructions, when installed, used and maintained as set out in the certification. Please visit isover.co.uk/BBA to read the full certification for details and restrictions. |
| Handling, Storage, Health and Safety | Information regarding storage, installation and handling of Isover products and health & safety information can be found at isover.co.uk/healthandsafety . |
| Quality | All Isover products are manufactured under Quality Management Standard - ISO 9001. |



Isover

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Isover reserves the right to amend or revise product specification without notice. The information in this publication is correct at the time of publication. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

For an up-to-date library of product information, users should visit the website at isover.co.uk

Saint-Gobain Isover UK Registered in England. Company Number 10442670.

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