



# ***POLTERM MAX PLUS***

---

Non combustible stone wool insulation  
for ventilated rainscreen cladding  
and overcladding systems



# Polterm Max Plus

Non-combustible  
stone wool insulation



Polterm Max Plus is a 1200 x 600mm stone wool slab with a black glass veil on the external side. Certified by the British Board of Agrément (BBA)\*, the resilient slabs will provide thermal and acoustic insulation within ventilated rainscreen cladding and overcladding systems. The stone wool insulation is non-combustible, achieving the best attainable A1 Euroclass fire classification according to EN 13501-1.

Polterm Max Plus contains a water repellent additive to protect against moisture ingress. The black glass veil contributes to the aesthetics of the installation, as it prevents any 'show through' of the insulation from behind the façade system.

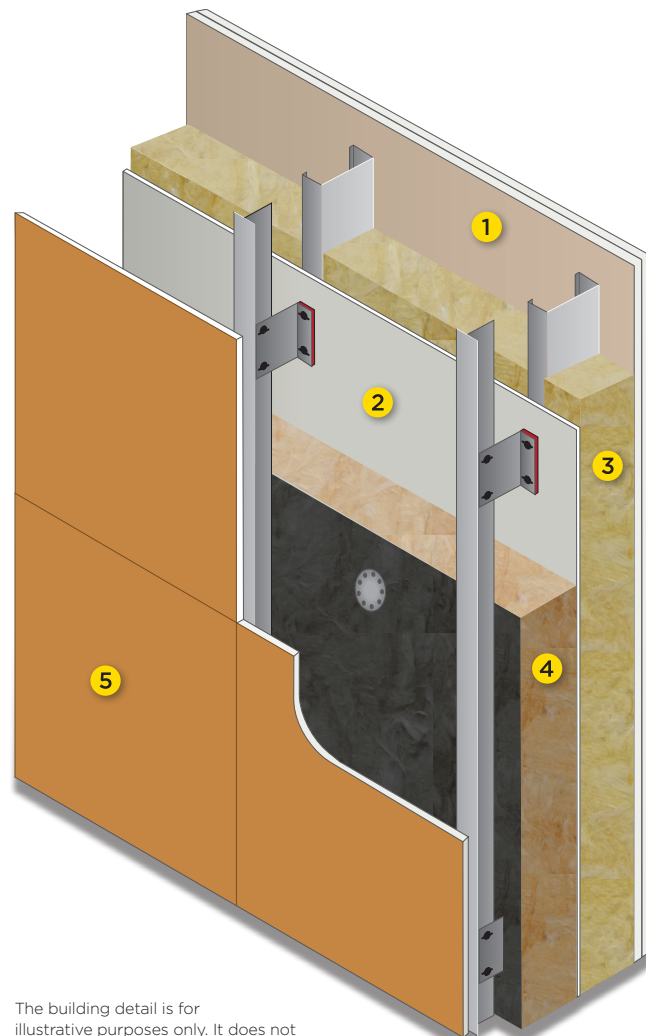


## Building details

Rainscreen cladding system

### Detail

- 1 2 x 12.5mm plasterboard
- 2 12.5mm weathertight sheathing board
- 3 Steel Frame Infill Batt
- 4 Polterm Max Plus
- 5 Rainscreen façade



\*To view and download the BBA certificates, visit [isover.co.uk/BBAPMP](https://www.isover.co.uk/BBAPMP)

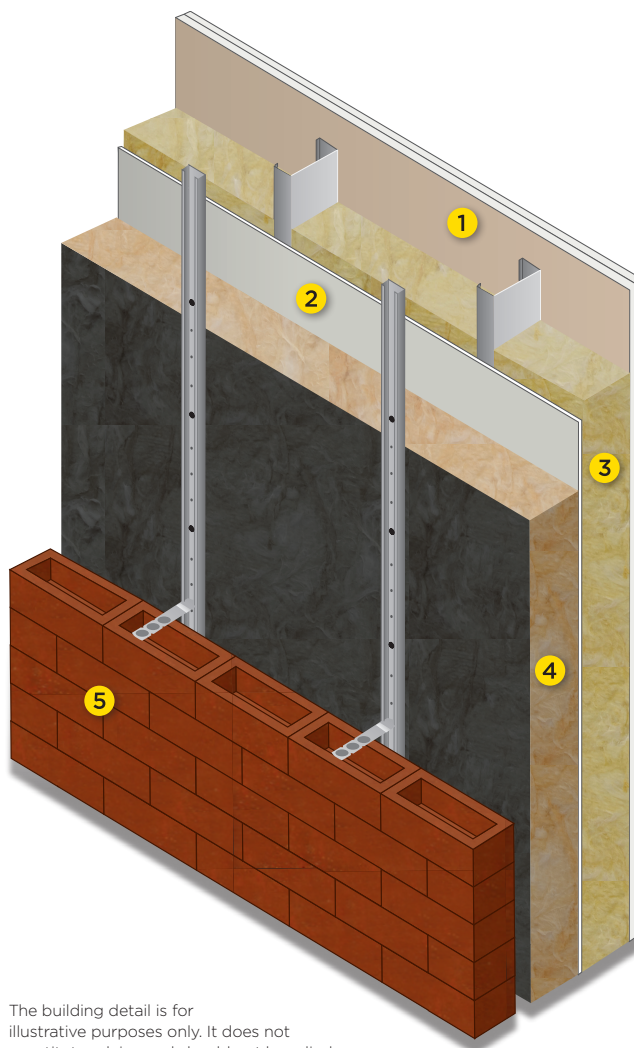
The building detail is for illustrative purposes only. It does not constitute advice and should not be relied upon.



## Masonry cladding system

### Detail

- 1 2 x 12.5mm plasterboard
- 2 12.5mm weathertight sheathing board
- 3 Steel Frame Infill Batt
- 4 Polterm Max Plus
- 5 Masonry façade



The building detail is for illustrative purposes only. It does not constitute advice and should not be relied upon.

## Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Slabs per pack	Pack area (m <sup>2</sup> )	Packs per pallet	Thermal Conductivity, (Lambda) (W/mK)	Thermal Resistance R Value (m <sup>2</sup> K/W)
5200853441	50	600	1200	8	5.76	20	0.035	1.40
5200859245	75	600	1200	6	4.32	20	0.035	2.10
5200845634	100	600	1200	4	2.88	20	0.035	2.85
5200859246	125	600	1200	3	2.16	24	0.035	3.55
5200845636	150	600	1200	3	2.16	20	0.035	4.25
5200845637	200	600	1200	2	1.44	24	0.035	5.70

Additional thicknesses are available on request, subject to extended lead times and minimum order quantities.



## Thermal

With a thermal conductivity of 0.035 W/mK, Polterm Max Plus provides excellent thermal performance and will help reduce the heat loss within the building envelope\*. Slabs can be tightly butted together and the inner face will accommodate substrate irregularities to maximise thermal performance in situ.

\*If you have a requirement for detailed U-value calculations, please contact your Isover sales representative.



## Non-combustible

Polterm Max Plus is a non-combustible stone wool insulation. It achieves the best attainable Euroclass A1 reaction to fire classification, according to EN 13501-1.



## Water repellent

Polterm Max Plus contains a water repellent additive to protect against moisture ingress.



## Acoustic

Polterm Max Plus will help improve the acoustic performance of the external envelope, reducing unwanted external noise such as weather, aircraft, vehicles and trains.



## Energy saving

The excellent thermal performance of Polterm Max Plus will help to reduce energy usage of a building and help prevent heat loss.

Polterm Max Plus has been certified by the British Board of Agrément (BBA)\*. It is manufactured to Quality Management Standard BS EN ISO 9001. It is CE marked under the Construction Products Regulations and according to product standard EN 13162.

\*To view and download the BBA certificates, visit [isover.co.uk/BBAPMP](https://www.isover.co.uk/BBAPMP)



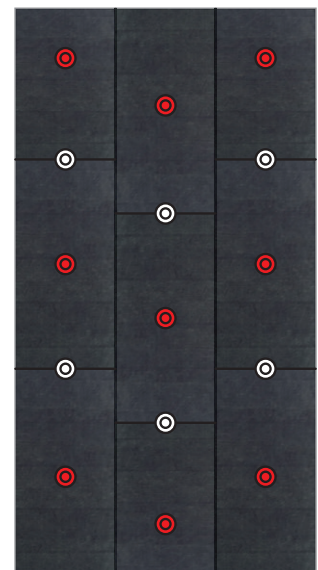
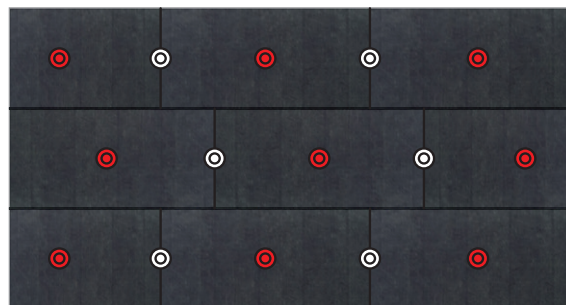


- Polterm Max Plus should be installed with the black glass veil facing externally. The unfaced side will accommodate any surface irregularities in the substrate.
- If any cutting of the slab is required then use a sharp fine toothed saw or a sharp large bladed knife to cut the slab to size and then fit into place.
- Joints between slabs should be staggered and coincidental joints should be avoided where possible.
- All joints should be tightly butted together to ensure maximum thermal performance. Slabs should be cut accurately and tightly around cladding system brackets ensuring that there are no gaps present.
- Ensure the slab is cut neatly around penetrations and construction details such as concrete upstands at ground floor level.
- Ensure that the designed cavity is maintained between the insulation and the external wall finish.
- For ventilated façade applications, standard metal and polypropylene insulation retaining fixings should be used to fix the product in place. An example of a landscape and portrait fixing pattern is shown below. Ensure that mechanical fixings are not over-tightened to avoid excessive compression of the surface of the product. Specific advice relating to the type and number of fixings required should be sought from an insulation fixings manufacturer.
- In masonry façade applications, the suitability of any brick channel and tie systems that are required to secure the insulation should be sought from the system supplier.
- Care should be taken to avoid damage to the product during the installation process from equipment such as drill chucks.

## Ventilated façade fixing pattern example

● Metal Fixing

○ Polypropylene Fixing

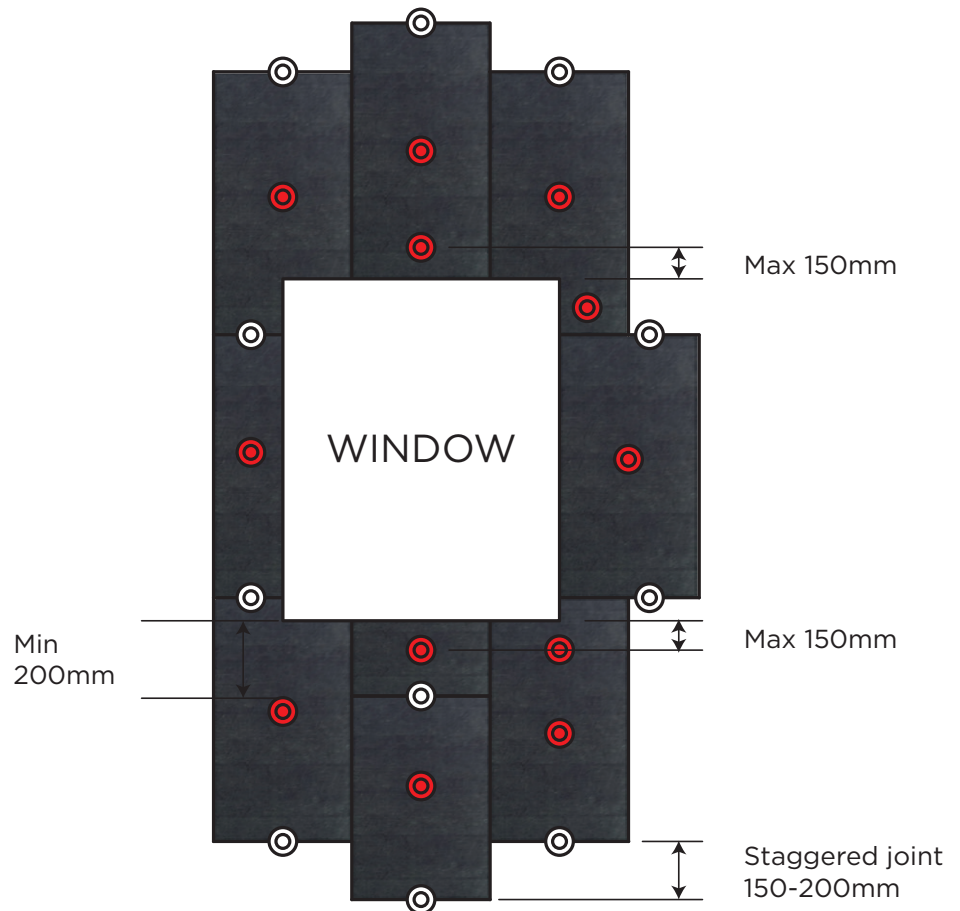


The fixing pattern is for illustrative purposes only. Specific advice relating to the type and number of fixings required should be sought from an insulation fixings manufacturer.



## Window fixing example

- Metal Fixing
- Polypropylene Fixing



## Further Guidance

### Rolling front installation

To reduce weathering of the insulation, where possible Polterm Max Plus should be covered up with the cladding on an 'advancing front' as work proceeds.

### Fire Barriers

Cavity barriers should be installed to conform to the requirements of Approved Document B - England & Wales, Technical Handbook Section 2 - Scotland and Technical Booklet E - Northern Ireland.

### On site storage

Polterm Max Plus is supplied fully palletised in weatherproof packaging for outside storage. If the outer packaging is damaged, or the polythene packs are removed from the packaging, they should either be stored indoors or under cover to avoid exposure to the elements.

The fixing pattern is for illustrative purposes only. Specific advice relating to the type and number of fixings required should be sought from an insulation fixings manufacturer.



## Steel Frame Infill Batt



A glass mineral wool batt designed to be friction-fitted between the stud framework of lightweight steel frame external walls to provide excellent thermal and acoustic insulation.

### Product Features & Benefits

- Thermal conductivity of 0.036 W/mK - helps meet the requirements of Part L Thermal Building Regulations 2010 (England & Wales) and Section 6 (Scotland).
- Classed as 'non-combustible' achieving a Euroclass A1 fire rating - the best attainable.
- Excellent acoustic properties - helps minimise flanking sound transmission within the wall cavities.
- 1200mm x 600mm glass mineral wool batts designed to fit between standard steel stud centres.
- Recycled content - manufactured from up to 80% recycled glass.



### Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Batts per pack	Pack area (m <sup>2</sup> )	Packs per pallet	Thermal Conductivity, (Lambda) (W/mK)	Thermal Resistance (R Value) (m <sup>2</sup> K/W)
5200625382	50	600	1200	16	11.52	20	0.036	1.35
5200625384	75	600	1200	10	7.20	20	0.036	2.05
5200625386	100	600	1200	8	5.76	20	0.036	2.75

For further guidance, please contact our Technical Support Team on 0115 945 1143.



**Isover**

Whitehouse Industrial Estate,  
Runcorn, Cheshire WA7 3DP

**Customer Service**

Tel: 0800 032 2555  
[isovercustomerservice@saint-gobain.com](mailto:isovercustomerservice@saint-gobain.com)

**Technical Support Team**

Tel: 0115 945 1143  
[isover.enquiries@saint-gobain.com](mailto:isover.enquiries@saint-gobain.com)

**[isover.co.uk](http://isover.co.uk)**

Published date: June 2019  
Document reference: IS-BRO-PMP-1902

Isover reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use. The information in this document is for guidance only and should not be read in isolation. Users should read and familiarise themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation. For a comprehensive and up to date library of information, visit the Isover website.

Saint-Gobain Isover UK Limited registered in England. Company registered number 10442670.  
Registered Office Address: Saint-Gobain House, Binley Business Park, Coventry, CV3 2TT