ISOVER
POLTERM MAX PLUS

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

isover.ie

ISOVER
SAINT-GOBAIN

ISOVER **POLTERM MAX PLUS**

Non-combustible stone wool insulation

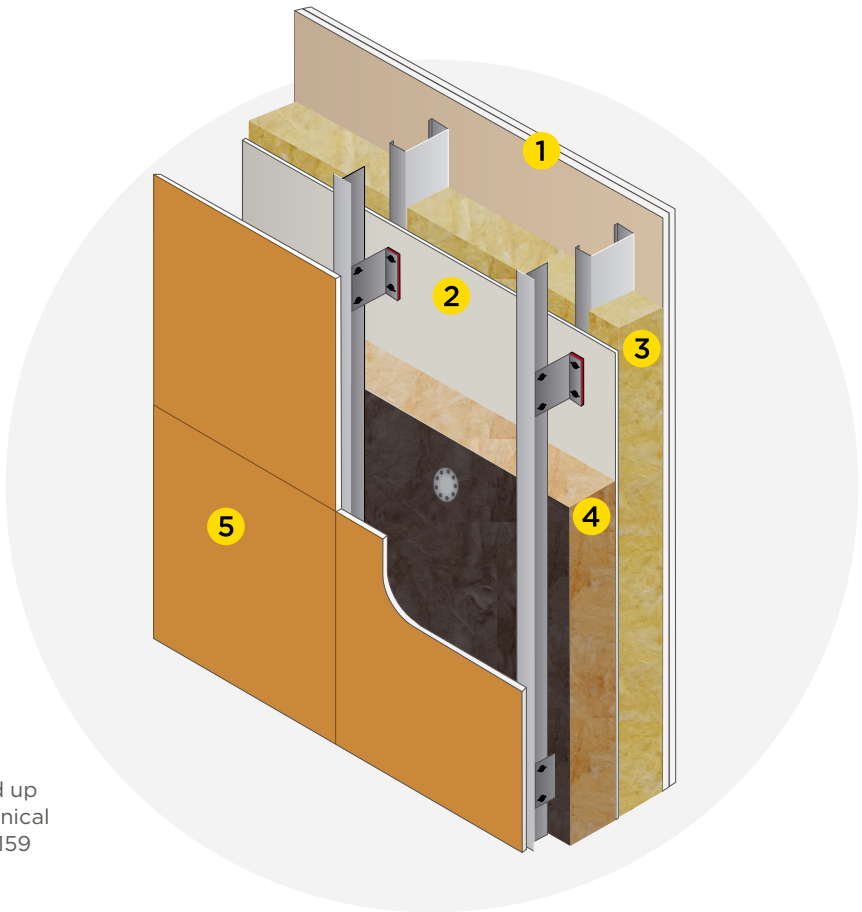
ISOVER Polterm Max Plus is a 1200 × 600mm stone wool slab with a black glass veil on the external side. Certified by the British Board of Agrément (BBA), the resilient slabs will provide thermal and acoustic insulation within ventilated rainscreen cladding and overcladding systems. The stone wool insulation is non-combustible, achieving the best attainable A1 Euroclass fire classification according to EN 13501-1 and is suitable for use in constructions below and above 18 meters in height.

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 18/5560

To view and download our BBA certificates, visit **isover.ie**

Building details
Rainscreen cladding system

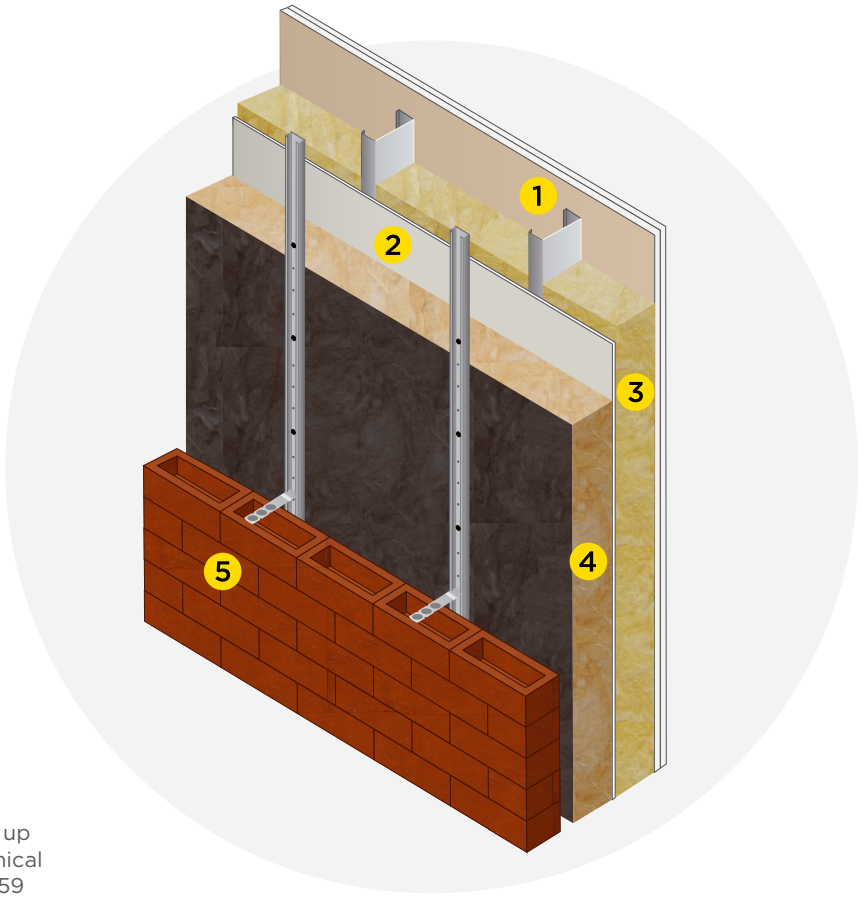
1. 2 × 12.5mm Plasterboard
2. 12.5mm weather-tight sheathing board
3. High performance insulation roll/batt
4. ISOVER Polterm Max Plus
5. Rainscreen façade



This build up is indicative; for specific build up performance and advice, contact our Technical Team at ROI 1800 744 480 NI 0845 399 0159

Building details
Masonry cladding system

1. 2 × 12.5mm Plasterboard
2. 12.5mm weather-tight sheathing board
3. High performance insulation roll/batt
4. ISOVER Polterm Max Plus
5. Masonry façade



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Product Specification

Product code	Thickness*	Width × Length	Slabs per pack	Pack area	Packs per pallet	Thermal Conductivity Lambda	Thermal Resistance** R Value
5200889028	50mm	600 × 1200mm	8	5.76m²	20	0.035 W/mK	1.40 m²K/W
5200880767	100mm		4	2.88m²			2.85 m²K/W
5200880768	150mm		3	2.16m²			4.25 m²K/W
5200880770	200mm		2	1.44m²	24		5.70 m²K/W

Additional thicknesses contact us for details

60mm	75mm	80mm	120mm	125mm	160mm	180mm

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

**Please contact our technical support team for performance values pertaining to your project. ROI 1800 744 480 NI 0845 399 0159.

Product **Performance**

Thermal

With a thermal conductivity of 0.035 W/mK, **ISOVER 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.

Non-combustible

ISOVER 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. This A1 fire classification means it is suitable for use in constructions below and above 18m in height.

Water repellent

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

Acoustic

ISOVER 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 **ISOVER Polterm Max Plus** will help to reduce energy usage of a building and help prevent heat loss.

ISOVER 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.

*If you have a requirement for detailed U-value calculations, please contact our Technical Team ROI 1800 744 480 NI 0845 399 0159.

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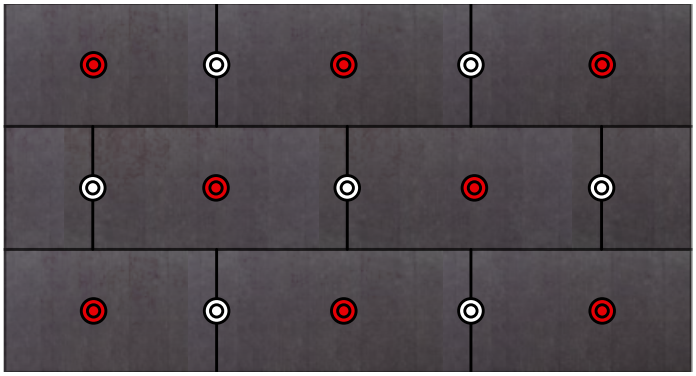
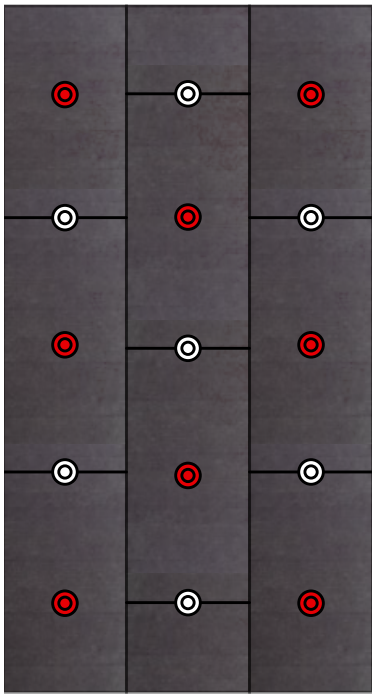
Installation **Details**

- **ISOVER 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

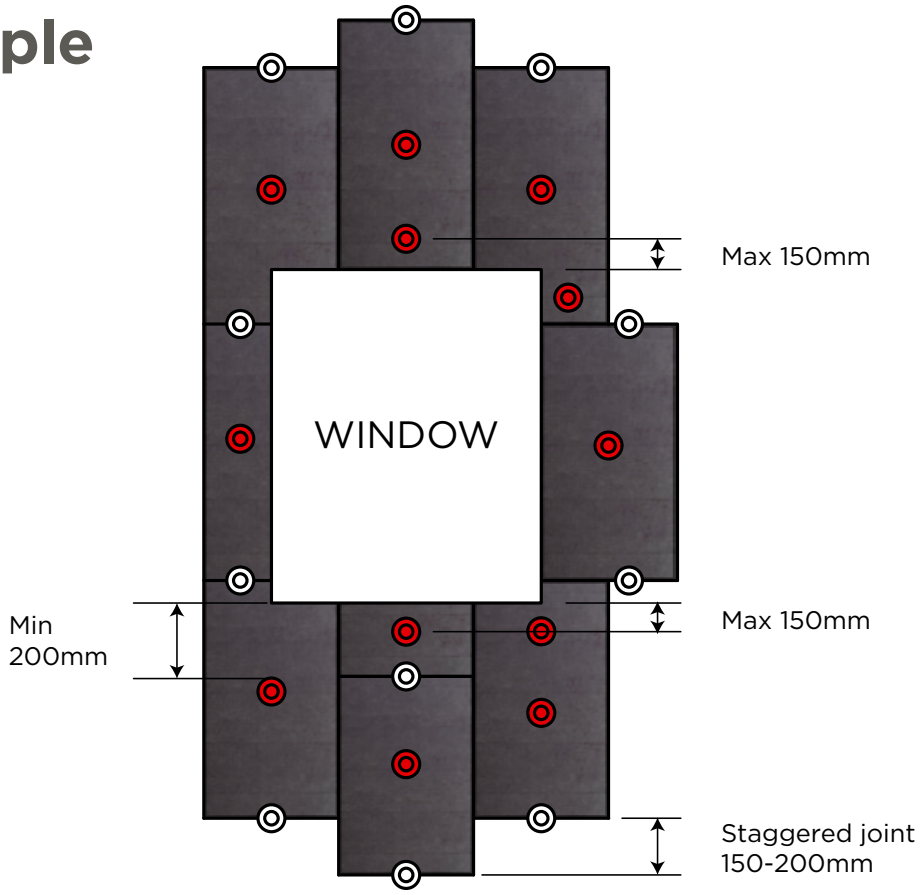




The fixing pattern is for illustrative purposes only. Specific advice relating to the type and number of fixings required should be sought from an insulation fixings manufacturer.

Window
Fixing example

- Metal Fixing
- Polypropylene Fixing



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.

Further
Guidance

Rolling front installation

To reduce weathering of the insulation, where possible **ISOVER 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 Technical Guidance Document Part B, Republic of Ireland & Technical Booklet E - Northern Ireland.

On site storage

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

Need help?
Contact Us

Contact a member of our team for information on any of our support services from spec to site

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