

ISOVER POLTERM MAX PLUS

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



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Non-combustible stone wool insulation

Isover Polterm Max Plus is a 1200 × 600mm stone wool slab covered with a black glass veil on one side. Certified by the British Board of Agrément (BBA), it will provide thermal and acoustic performance within ventilated rainscreen cladding and overcladding systems. Isover 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 assists with preventing any ‘show through’ of the insulation from behind the façade system.



Features and Benefits



THERMAL
INSULATION

Thermal

With a thermal conductivity of 0.035 W/mK Isover Polterm Max Plus provides excellent thermal performance, reducing heat loss within the building envelope.



EUROCLASS A1
FIRE RATING

Non-combustible

Isover Polterm Max Plus stone wool insulation has an A1 Euroclass fire rating – the best attainable. This A1 fire classification means it is suitable for use in constructions below and above 18m in height.



ACOUSTIC
INSULATION

Excellent acoustic performance

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



EASY
TO INSTALL

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.

Product Specification

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

Additional thicknesses contact us for details

60mm	75mm	80mm	120mm	125mm	160mm	180mm
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*Additional thicknesses are available on request, subject to extended lead times and minimum order quantities.

**Please contact our technical support department for preliminary performance values pertaining to your project which are then subject to thermal bridging assessment by others for the respective cladding system.





Characteristic Description

Thermal	Isover Polterm Max Plus has a declared thermal conductivity of 0.035 W/mK under EN 13162.
Fire	<p>Achieves the best attainable Euroclass A1 reaction to fire classification, according to EN 13501-1. The current status of this legislative guidance in Ireland stems from TGD B, 2006, section 4.1.5, see full text in italics. <i>Insulation material used in drained and/or ventilated cavities in the external wall construction should be of limited combustibility.</i></p> <p>Similarly, NI regulations, Amendments Booklet http://www.buildingcontrol-ni.com/assets/pdf/AMD_7_final.pdf <i>AMD 7 Regulation 23(2) limits components used in or on the external walls of buildings with a storey at least 18m above ground level with dwellings or residence, to materials achieving European Classification A2-s1, d0 or A1.</i></p> <p>This A1 fire classification means it is suitable for use in constructions below and above 15m in height. Best practice as set out in the draft TGD B 2023 as issued for consultation in Q1 of 2023, indicates the Reaction to fire classification for all materials in External Walls, typically B-s3,d2 with some exemptions for buildings under 15m, however, for purpose groups 1c, 2a, 2b and 5 these should be A2-s1,d0 with exemptions for masonry cavity walls.</p>
Environmental	All Isover products are manufactured under Environmental Management System – ISO 14001. The manufacturing process does not use or contain CFC's, HCFC's or other damaging gases.
BRE statements	Isover Polterm Max Plus corresponds to the BRE Global Green Guide online generic specification ref 815320009. This product achieves a summary rating of A+ within the Domestic, Health, Industrial, Commercial, Retail and Education categories.
Quality	All Isover products are manufactured under Quality Management Standard – ISO 9001.
Building regulations	When installed correctly as part of an external wall construction, Isover Polterm Max Plus can help to meet the requirements of ROI and NI thermal building regulations.
Vapour resistivity	Isover Polterm Max Plus has a vapour resistivity of 5.0 MNs/gm. The slabs will allow water vapour to pass through the insulation, allowing the structure to dry out and reducing the risk of condensation.
Durability	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 13162:2012 Annex ZA, Table ZA.1). Will not sustain vermin, nor breed or promote fungi or bacteria.
Handling and storage	Isover products are supplied fully palletised, offering the following benefits: <ul style="list-style-type: none">» Weatherproof packaging for outside storage» Reduced haulage costs» Less handling therefore less damage» Reduced storage space» Faster loading, unloading and counting
Health and safety	A Safe Use Instruction Sheet can be obtained from the Isover website.
Certification	<ul style="list-style-type: none">» CE marked (001-WM-DoP-14-w1) to EN 13162.» BBA certified solution.



CONTACT DETAILS FOR FURTHER INFORMATION

Email:
tech.ie@saint-gobain.com

Free Phone:
ROI 1800 744480 | NI 0845 3990159



@SaintGobainGroup



Saint-Gobain



@saintgobain

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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 isover.ie



Isover Ireland

Unit 4, Kilcarbery Business Park,
Nangor Road, Dublin 22
D22 R2Y7
Telephone: 01 629 8400
Email: info@isover.ie
www.isover.ie