

RAVATHERMTM XPS X

How to order Ravago
Building Solutions products





Thank you for deciding to order a Ravago Building Solutions product. You'll find all the information you need here for your next steps, including information about pack sizes and delivery options. There are also links to our customer services team who will give you the best possible service.

We have developed our market-leading extruded polystyrene (XPS) products for a wide range of applications. Strong, durable and flexible, Ravatherm XPS X has been designed for multiple uses in a variety of environments including residential, commercial and industrial buildings, car parks, hospitals and schools. Ravatherm XPS X can provide continuous moisture-resistant floor insulation for domestic and industrial sites.

Most of all, our XPS products offer the high performance that today's construction demands:

- Exceptional lambda values
- Range of thicknesses between 30-200mm opens up full scope of design possibilities
- Proven long-term moisture resistance
- Uses carbon dioxide as blowing agent giving GWP of less than five

Our products are made and despatched from King's Lynn in Norfolk, where we began making the UK's first-ever range of XPS insulation products 60 years ago. We have been investing in innovation ever since.

Our products are chosen by architects, specifiers and constructors across the world. Thank you for trusting us to deliver.



Product overview

Ravago Building Solutions' insulation products are available in a variety of grades to meet the specific requirements of a broad range of applications.



RAVATHERM XPS X FOR FLOORING

Ravatherm XPS X resists moisture and has high compressive strength, ideal for below-slab insulation in ground-bearing or suspended floors. Providing a layer of thermal insulation in floors continuous with the rest of the building envelope to reduce heat loss and avoid thermal bridges.



RAVATHERM XPS X FOR INVERTED FLAT ROOFS

Ravatherm XPS X can withstand repeated freeze-thaw cycles and has excellent resistance to water absorption making it ideal for use in inverted flat roofs. Suited to load bearing applications due to its high compressive strength of 300 kPa.



RAVATHERM XPS X MK

Ravatherm XPS X MK minimises heat loss due to rainwater cooling when used in conjunction with Ravatherm XPS X, reducing the required volume of insulation. The membrane offers excellent rot resistance making it ideal for insulating green roofs.

Getting support and placing orders

The Ravago Building Solutions team will assist you from specification through to product installation, ensuring the most suitable product is supplied quickly and is installed to deliver optimum performance.

Customer Service Contacts

Franki Jarman	03300 606017	franki.jarman@ravago.com
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Technical Contact

Help Desk		technical.uk.rbs@ravago.com
Nathan Good	07918 457376	nathan.good@ravago.com

Orders

orders.uk.rbs@ravago.com



Pack and bulk unit sizes

Ravago Building Solutions' insulation products are available in packs and bulk units specific to each product and thickness. The approximate weight of a bulk unit is 500kg. The bulk unit can be broken down on site into 8 or 4 prewrapped units. Please see Ravago offloading brochure for full details.

	Board thickness (mm)	Board size (mm)	Boards per pack	Packs per bulk unit	m ² per pack	m ² per bulk unit
Ravatherm XPS X 300 SB	30	600 x 2500	14	24	21	504
	40	600 x 2500	10	24	15	360
	50	600 x 2500	8	24	12	288
	75	600 x 2500	5	28	7.5	210
	100	600 x 2500	4	24	6	144
	125	600 x 2500	3	28	4.5	126
	150	600 x 2500	3	24	4.5	108
Ravatherm XPS X 500 SL	50	600 x 1250	8	48	6	288
	75	600 x 1250	5	56	3.75	210
	100	600 x 1250	4	48	3	144
	120*	600 x 1250	3	56	2.25	126
	140*	600 x 1250	3	48	2.25	108
	160*	600 x 1250	2	64	1.5	96
Ravatherm XPS X 700 SL	50	600 x 1250	8	48	6	288
	75	600 x 1250	5	56	3.5	210
	100	600 x 1250	4	48	3	144
Ravatherm XPS X 300 SL	50	600 x 1250	8	48	6	288
	80	600 x 1250	5	48	3.75	180
	100	600 x 1250	4	48	3	144
	115	600 x 1250	3	56	2.25	126
	120	600 x 1250	3	56	2.25	126
	130	600 x 1250	3	56	2.25	126
	140	600 x 1250	3	48	2.25	108
	145	600 x 1250	3	48	2.25	108
	160	600 x 1250	2	64	1.5	96
	165	600 x 1250	2	56	1.5	84
	175	600 x 1250	2	56	1.5	84
	180	600 x 1250	2	56	1.5	84
	190	600 x 1250	2	48	1.5	72
	195	600 x 1250	2	48	1.5	72
	200	600 x 1250	2	48	1.5	72
XPS X UB300	56**	600 x 1200	42		30.24	
	Roll size (m)			Coverage per roll		
Ravatherm XPS X MK	1.5 x 50			75m ²		
	3 x 100			300m ²		

*Made to order minimum quantity requirement

**Dimension shows overall product thickness including 6mm fibre cement flat sheet. Insulation is 50mm.

Transport and delivery options

- Leadtime is 3-4 working days from receipt of order
- Orders received before 12 noon on day 1 can be delivered on day 3 (England & Wales), day 4 (Scotland)
- Free of charge order amendments can be made up until 2pm on day 1 (day before loading)
- There is no additional freight charge for a full artic truck (five bulk units)
- Minimum quantity to deliver is 1 bulk unit (with a carriage charge)
- Bulk units are set on 100mm foam bearers
- Bulk units are jumbo sized (2.95x2.5x2.4m)
- Site must have their own offload facilities
- The bulk units can be broken down into 8 pre wrapped units
- Please advise site name and contact number on the order
- Deliveries are to mainland England, Scotland and Wales

Vehicle types

CURTAIN-SIDED ARTICS

- Standard deliveries are on curtain-sided articulated vehicles. There is no additional freight charge for a full load (five bulk units)
- Please specify on the order if a specific delivery time is required.

FLATBED ARTICS

- We can deliver on flatbed artics for crane offload
- We can only supply in full bulk units on flatbed vehicles
- There is no additional freight charge for a full load (five bulk units)
- Please specify on the order if a specific delivery time is required.

	Curtain Sided Artic	Flatbed Artic
Full bulk unit quantity only	No	Yes
Maximum bulk units per load	5	5
Timed deliveries possible	Yes	Yes
Delivery charge for full truck load	No	No
Delivery charge for part load	Yes	Yes

Customer collections

Arrangements can be made for collections to be made from King's Lynn. Please contact Customer Service for full details on collections.





Guidance notes for safe opening and offloading of Ravatherm XPS X bulk units

Curtain sided vehicle offloading

Unless otherwise notified or requested all Ravatherm XPS X building products loaded onto curtain sided vehicles will have the outer wrapping of the bulk unit pre-slit. This allows for access to smaller units within enabling a standard forklift to offload the smaller units and no need for fork extensions.

- bulk units outer wrap pre-slit
- offloader to pull back outer wrap
- access to smaller units within
- standard forklift can offload smaller units
- no need for fork extensions.



Flatbed vehicle offloading

Ravago's design for bulk packaging makes offloading Ravatherm XPS X products simple and convenient.

Each 15 m³ bulk unit contains:

- four or eight pre-wrapped units
- two layers, each set on bearers
- thick outer wrap for protection during transportation.

- slit outer wrap horizontally along the mid-height bearers
- lift away top half and set down so you have two half-height units
- slit outer wrap vertically
- separate into eight packs – easy to handle with a standard forklift truck.

We hope you find our bulk packaging, loading and offloading methods more convenient, safer and simpler. We're always interested in your feedback. Please contact: orders.uk.rbs@ravago.com

HOW TO OFFLOAD AND UNPACK INTO FOUR OR EIGHT CONVENIENT UNITS

- unload from flatbed truck with a forklift and fork extensions



Detailed below are GUIDANCE NOTES only for breaking open bulk packs of Ravatherm XPS X. It is important that products are handled safely and in accordance with relevant site regulations. To assist, we offer the following guidance notes*.

Breaking bulk guidance

Key points:

- Personal Protective Equipment (PPE) must be worn as required by the site/user personnel regulations.
- Individual packs weigh approximately 20kgs (2500 x 600mm) and 10kgs (1250 x 600mm). When handling 2500 x 600mm packs best practice suggests two people should perform the task.
- Ensure that the bulk pack is positioned on an even, adequate load-bearing surface with space for two people to walk and work on all four sides.
- Each bulk unit is set on 100mm foam bearers and has the following approximate dimensions, 2400x 2500-2950mm (height differs depending on product), and weighs approximately 450kg.
- All offloading by cranes/fork-lift trucks should be carried out by suitably qualified personnel only.



* Whilst every care has been taken with these Guidance Notes, Ravago Building Solutions accepts no responsibility for the operations referred to in the Guidance Notes and cannot accept liability for any loss, damage or injury related to the operations or the task, however caused. Importantly, the Guidance Notes do not relieve the User from responsibility to carry out its own risk assessment specifically relating to the circumstances and requirements of the site where the unloading of bulk pack operations will take place. The User is responsible for ensuring that its employees, agents and contractors have been properly trained in the relevant safe working procedure identified as relevant to the task.

Disclaimer

Ravatherm XPS X contains a flame retardant additive to inhibit accidental ignition from a small fire source. Ravatherm XPS X is however, combustible and if exposed to an intensive fire may burn rapidly.

During shipment, storage, installation and use Ravatherm XPS X should not be exposed to flames or other ignition sources.

Fire classification is based on small scale tests, which may not reflect the reaction of the products in its end use state under actual fire conditions.

Ravatherm XPS X should, when installed, be adequately protected from direct exposure to fire.

Recommendations about the methods, use of materials and construction details are given as a service to designers and contractors. These are based on the experience of Ravago with the use of Ravatherm XPS X.

Any drawings are meant only to illustrate various possible applications and should not be taken as a basis for design.

Since Ravago Building Solutions is a materials supplier and exercises no control over the installation of Ravatherm XPS X, no responsibility is accepted for such drawings and recommendations.

In particular, no responsibility is accepted by Ravago for the systems in which Ravatherm XPS X is used or the method of application by which they are installed. The legal obligations of Ravago in respect of any sale of Ravatherm XPS X shall be determined solely by the terms of the respective sales contract.

For technical enquiries email technical.uk.rbs@ravago.com

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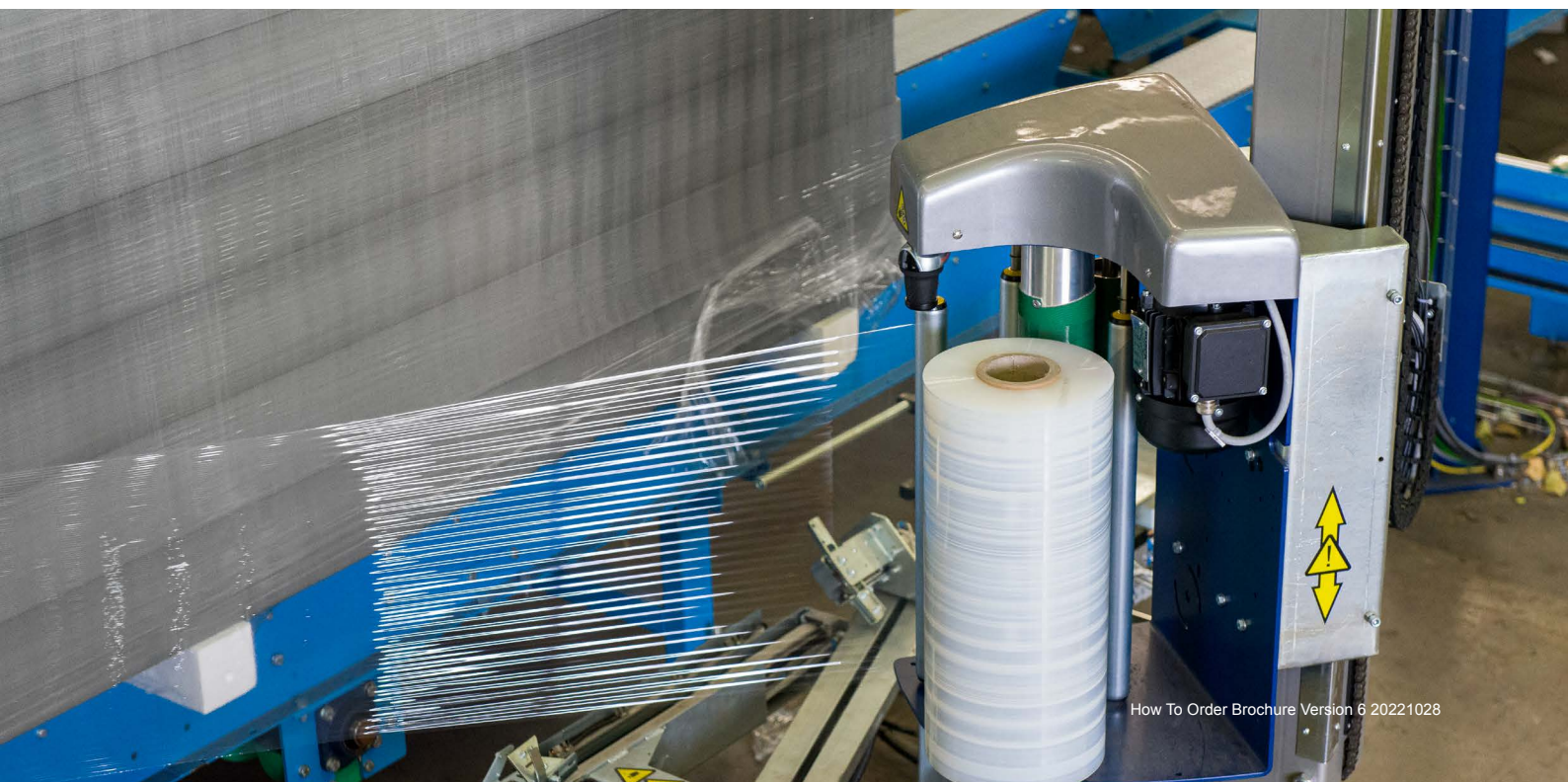
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Download our new digital tool: [Ravathermapp.com](https://www.ravathermapp.com)

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