Ravago
BUILDING SOLUTIONS

RAVATHERM™ XPS X

How to order Ravago Building Solutions products



MADE IN BRITAIN®

All Ravatherm XPS X products are Made in Britain

How To Order Brochure Version 10 20260527
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Thank you for deciding to order a Ravago Building Solutions product. You'll find all the details 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 can assist with any queries.

Ravatherm XPS X products are extruded polystyrene (XPS) thermal insulation boards that have been used 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.

Our extruded polystyrene (XPS) products offer:

- Declared thermal conductivity of 0.030 W/m.K (BS EN 13164:2012+A1:2015)
- Wide variety of thicknesses according to project requirements and desired thermal performance
- Low water absorption (<0.7% according to BS EN 12087:2013)
- Uses carbon dioxide as blowing agent.

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 over 65 years ago.

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

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 21/5866

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 21/5874

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Product overview





RAVATHERM XPS X FOR FLOORING AND INVERTED FLAT ROOFS

Ravatherm XPS X has low water absorption (<0.7% according to BS EN 12087:2013), is available in 300 kPa, 500 kPa & 700 kPa grades, and can offer long-term compressive creep performance of 130 to 250 kPa (according to BS EN 1606:2013). The board provides a layer of thermal insulation in floors continuous with the rest of the building envelope to reduce heat loss and avoid thermal bridges. The boards can withstand repeated freeze-thaw cycles when tested to BS EN 12091:2013, achieving less than 1% additional water absorption.

RAVATHERM XPS X MK

Ravatherm XPS X MK is a water flow reducing layer used in inverted roof systems. It can be used in conjunction with Ravatherm XPS X to reduce rainwater cooling and to reduce the required thickness of insulation.

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 specified performance.

Orders & General Enquiries		
orders.uk.rbs@ravago.com		
Customer Service Contacts		
Amanda Steward	03300 606015	orders.uk.rbs@ravago.com
Danielle Birchenough	03301 096129	orders.uk.rbs@ravago.com
Bobbie-Jaye Yates	03300 606007	orders.uk.rbs@ravago.com
Oliver Foster	03301 096141	orders.uk.rbs@ravago.com
Louie Claydon	03301 096133	orders.uk.rbs@ravago.com
Account Manager Distribution		
Adam Hilmi (North England & Scotland)	07436 145034	adam.hilmi@ravago.com
Natalie Sutton (South England & Midlands)	07976 530510	natalie.sutton@ravago.com
Roofing Products Sales Manager UK & Ireland		
Richard Powell	07967 496011	richard.powell@ravago.com
Technical Contact		
Help Desk	03301 096136	technical.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 Fusion 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 Fusion 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 prewrapped 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 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

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.

HOW TO OFFLOAD AND UNPACK INTO FOUR OR EIGHT CONVENIENT UNITS

- Unload from flatbed truck with a forklift and fork extensions
- 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

To give feedback on our bulk packaging, loading and offloading methods, please contact: orders.uk.rbs@ravago.com

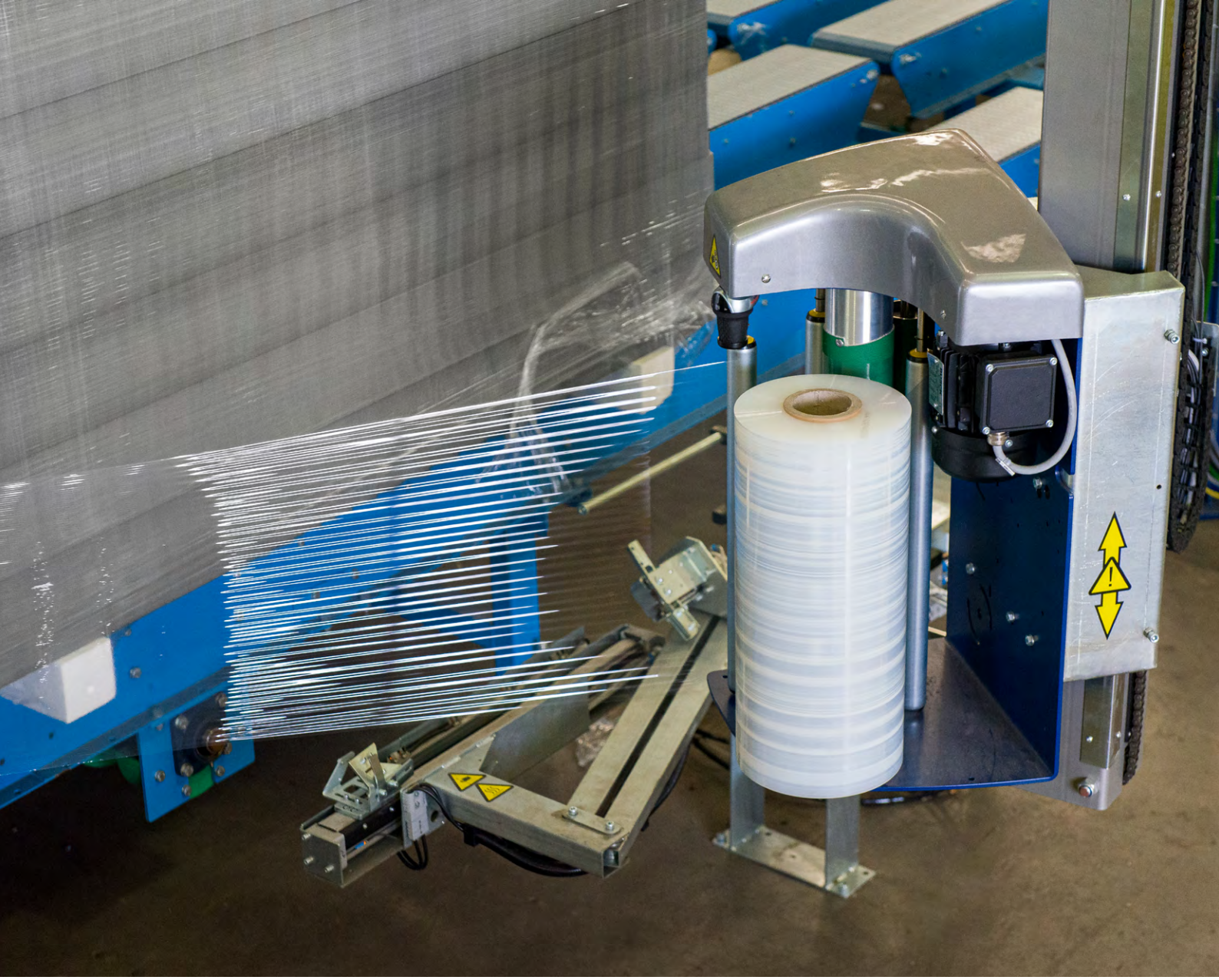
Detailed below are GUIDANCE NOTES ONLY for breaking open bulk packs of Ravatherm XPS X. It is important that products are handled safely and in accordance with relevant site regulations. To assist, we offer the following guidance notes*.

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, 2400 x 2500 x 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

Ravago Building Solutions
Estuary Road, King's Lynn PE30 2HJ

RavagoBuildingSolutionsUK

Note: The information and data contained in this brochure do not represent exact sales specifications. The features of the products mentioned may vary. The information contained in this document has been provided in good faith, however Ravago excludes as far as possible any liability relating to it and does not give any guarantee or assurance of product performance. It is the purchaser's responsibility to determine whether these Ravago products are suitable for the application desired and to ensure that the site of work and method of application conform with current legislation. No licence is hereby granted for the use of patents or other industrial or intellectual property rights. If Ravago products are purchased, we advise following the most up-to-date suggestions and recommendations.

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