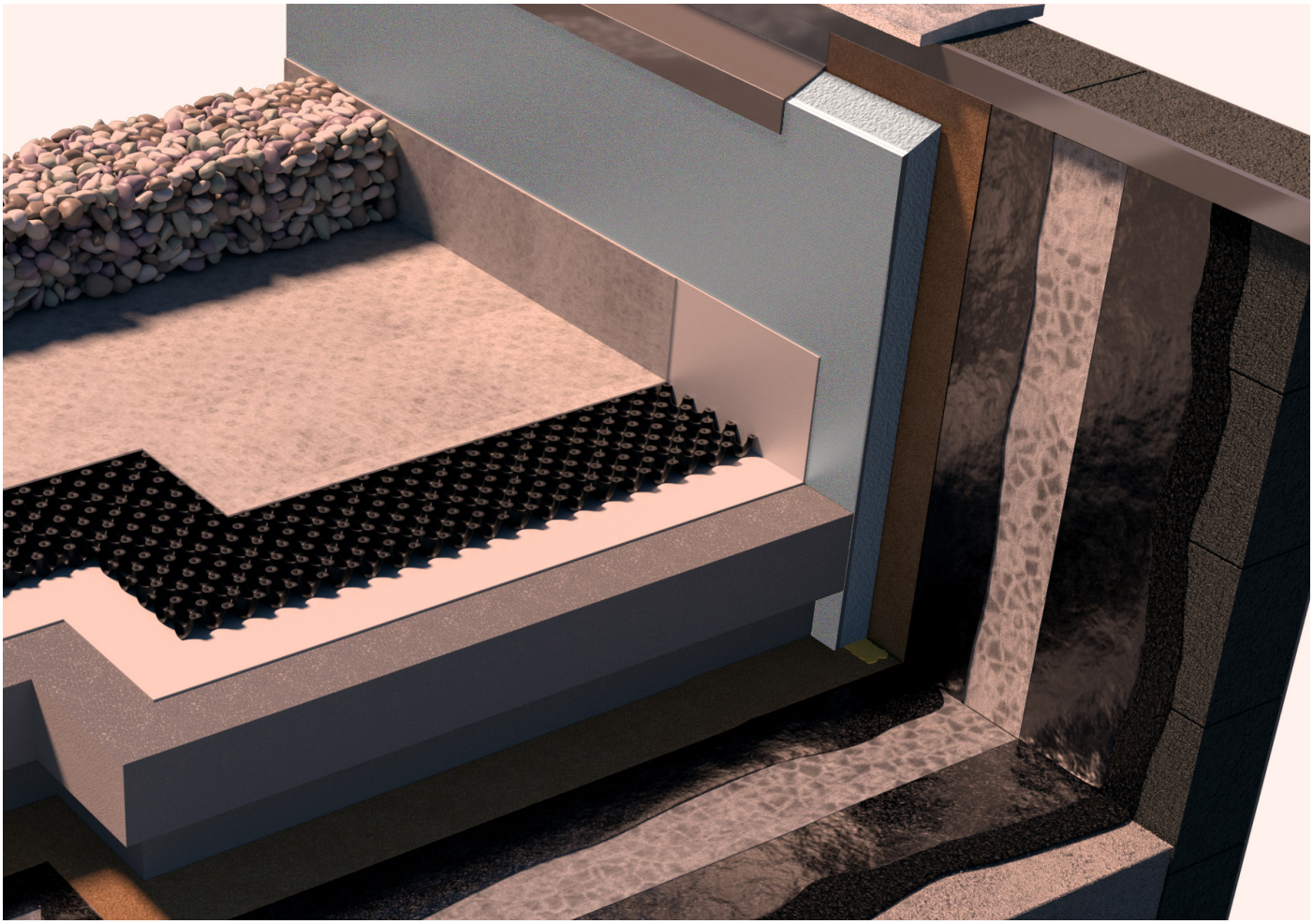
QUANTUM INSULATION

Product Data Sheet

RAVATHERM XPS X UB300



An insulation board used to thermally insulate and protect upstand walls.

Manufactured by

Ravago BUILDING SOLUTIONS

RAVATHERM XPS X UB300

General Information

RAVATHERM XPS X UB300 is designed to be installed on parapets and upstands and assists in addressing the issue of thermal bridging on flat roof constructions. It is designed to be used alongside RAVATHERM XPS X 300 inverted roof insulation or any approved inverted insulation board.

RAVATHERM XPS X UB300 is 60mm thick and comprises of a 50mm thick extruded polystyrene layer with a declared lambda value of 0.030 W/mK, and a 6mm thick grey coloured mortar topping that has already been applied to the boards.

RAVATHERM XPS X UB300 lock together to provide a continuous insulation layer. They are light enough for one person to handle and can be easily cut and shaped on site with a mortar saw.

RAVATHERM XPS X UB300 can be easily fixed by using a suitable adhesive.

XPS products benefit from a manufacturing process which uses CO_2 as the blowing agent and adds infra-red blocking particles to scatter and reflect heat radiation within the foam board.

XPS products help decrease lambda values by up to 11% and deliver a Global Warming Potential (GWP) of less than five.

Certificates

ISO 9001@2008 Quality Management System, ISO 14001 :2004 Environmental Management System, EPD as per ISO 14025 and EN 15804.

Delivery conditions

Delivery form

Shrunk wrapped on a pallet, quantity depending on board thickness.

Storage and transport

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources. This material contains a halogenated flame retardant additive system to inhibit accidental ignition from small fire sources. Store in original packaging.

Product identification

Information on the pack; Product name. Dimensions. Approvals. Production date.

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RAVATHERM XPS X UB300

PRODUCT DESCRIPTION	
Appearance top side	Grey Fibre Cement
Core	Extruded polystyrene

DECLARED PERFORMANCE				
Property	**Performance**	**Unit**	**CE Code**	**Standard**
Cell content	Air	-	-	-
Tensile strength	300	kPa	TR	BS EN 1607
Declared thermal conductivity	0.030 (<60mm)	W/(m.K)	λ_D	BS EN 13164
Mechanical properties				
- Compressive stress or compressive strength at 10% deformation	300	kPa	CS(10\Y)	BS EN 826
- Dimensional stability under specified temperature and humidity conditions (90%rh)	≤5	%	DS(70,90)	BS EN 1604
- Long term water absorption by total immersion	1.5	%	WL(T)	BS EN 12087
- Water vapour diffusion resistance factor μ (tabulated value)	-	-	MU	BS EN 12086
- Coefficient of linear thermal expansion (typical value)	0.07	mm/(m.K)	-	-
Other properties				
- Reaction to fire	E	-	Euroclass	BS EN 13501-1
- Temperature limits	-50/+75	°C	-	-
Length	1200	mm	-	BS EN 822
Width	600	mm	-	BS EN 822
Thickness	50	mm	-	BS EN 823
Tolerances				
- Length	-6/+6	mm	-	BS EN 822
- Width	-3/+3	mm	-	BS EN 822
- Thickness	-0.5/+0.5	mm	T3	BS EN 823
Edge profile	Butt Edge	-	-	-

DESIGNATION CODE: XPS - EN 13164 - T3 -CS(10\Y)300 - DS(70,90) - WL(T)1,5 - TR200				
Surface finish	Fibre cement (6mm) flat sheet			
Fire performance	A1	-	Euroclass	BS EN 13501-1
Tolerances				
- Length	-0/-2	mm	-	BS EN 822
- Width	+0/-2	mm	-	BS EN 822
- Thickness	-0/+0.6	mm	-	BS EN 823

1 N/mm² = 10³ kPa = 1MPa

For further information on Quantum Insulation products and services please call **01858 456018** or email **sales@quantuminsulation.com**

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