

• Who is XPS foam?

XPS Foam is the only **UK manufacturer** of XPS underlay. Based in North Wales we produce our Extruded Polystyrene Underlay “XPS” from **fully recycled materials**.

Using the very latest technology in extrusion, thermoforming and recycling processes we are able to offer our customers **innovative new products** suitable for use with today’s floor coverings, all whilst keeping the installation simple. Our product portfolio encompasses a **range of products suitable for use with wood, engineered, laminate and vinyl flooring**, in various depths, colours, formats and foiling capabilities.

• What are XPS Foam Underlay Boards?

XPS foam is an **insulation board** manufactured using **fully recyclable material**. It is **produced from foamed polystyrene, a material that doesn’t deteriorate**. The cell structure in the board is constructed with very fine closed cells that give the product its **excellent physical and mechanical characteristics**.



• An excellent insulation that saves energy

The board **doesn’t conduct heat** due to the **special cell structure**. When XPS boards are laid as an underlay **any heat from the room or floor will be reflected back towards the floor surface**. As this helps to prevent heat wastage, energy and thereby **lowers your energy consumption and carbon footprint**.

• Effective protection against cold and damp

XPS boards not only take care of the heat, they are also an **effective guard against the cold and damp**. The cold will be held back by the non conducting characteristics of the foam. XPS board is also **water repellent it will not rot or support mould growth** and will help **hold back any damp from floors**. XPS boards are also resistant to cement, plaster and most alkalis, however, not against organic solvents.

• Sound Insulation

In addition XPS boards have **excellent sound insulating properties**, which makes the floor “quieter” to walk on and an ideal product for use when needing to **reduce sound transmission to the room below**. We use the services of UKAS accredited testing laboratories for all external testing in addition to our own in house rigorous quality and testing systems.

• Foil, Tape & Overlap

Makes **easy secure joins** between the rows of boards. Also **provides moisture and vapour protection**.

TECHNICAL SPECIFICATION



Description	UoM	3mm Classic	5mm Classic	6mm Classic	6mm Air-flow	3mm Premier	5mm Premier	1.5mm LVT
Finish	-	Fan-Fold Board	Standard Board	Standard Board	Metalized Foil/ Standard Board	Metalized Foil/ Fan-Fold	Metalized Foil/ Fan-Fold	Metalized Foil/ Fan-Fold
Dimension	mm	1200x400	600x856	600x856	600x856	1200x400	1200x400	1200x400
Thickness	mm	3	5	6	6	3	5	1.5
Thickness Tolerance	mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Dimensional Tolerance	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Foam Density	kg/m ³	35	35	35	35	35	35	85
Thermal Conductivity	W/ (m.K)	0.015	0.026	0.026	0.026	0.015	0.026	0.008
Compression Strength	t/m ²	5	10	10	10	5	10	50
Water Absorption	vol. %	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Impact Sound Reduction	dB	19	20	20	20	19	20	19
Fire Protection Classification	Euro-class	E	E	E	E	E	E	E

Board Colour	-	Blue	Green	Orange	Orange	Blue	Green	Jade
Pack Size/no. Folds per Pack	-	20 folds	19 boards	19 boards	19 boards	20 folds	20 folds	20 folds
Thermal Resistance	m ² K/w	0.115	0.192	0.192	0.192	0.115	0.192	0.057
Tog Rating	Tog	1.2	2.0	2.0	2.0	1.2	2.0	0.6
Pack Coverage	m ²	9.6	9.76	9.76	9.76	9.6	9.6	9.6