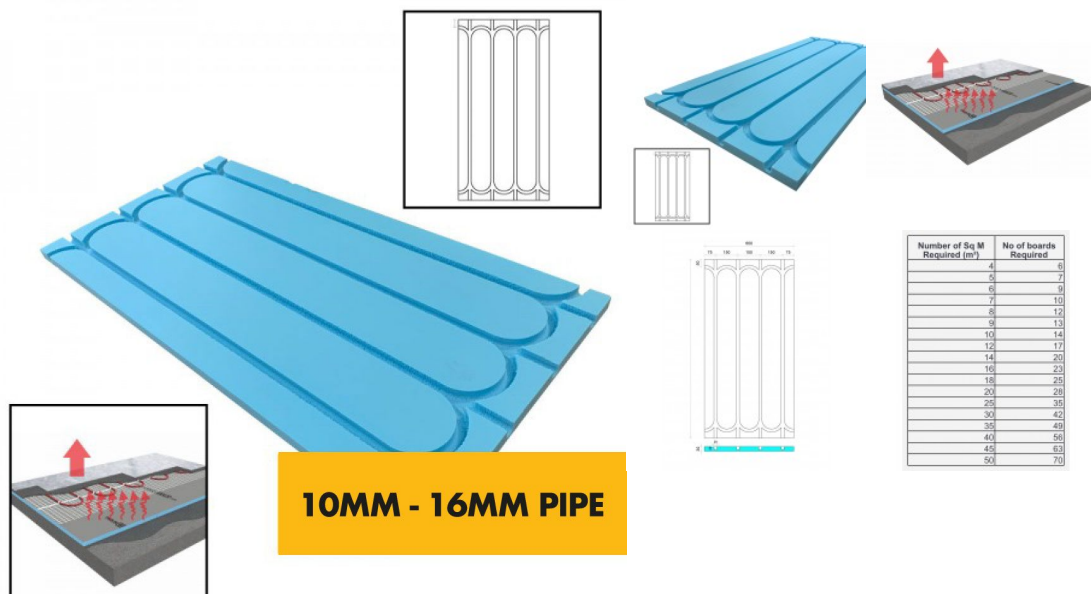


**30mm XPS Foam Insulation Boards for Underfloor Heating (UFH) System -  
10mm - 16mm wet piped underfloor heating systems****£12.60 £10.60****10MM - 16MM PIPE**

***(The price is per board BUT we only sell them in packs of 5 so you must round up or down to the nearest 5 - 5, 10, 15, 20 - its not 5 boards for £5)***

30mm XPS foam insulation underfloor heating (UFH) boards for 10-16mm flexible pipe wet system underfloor heating. High compressive strength of 400 kPa ideal to accommodate a variety of floor coverings, for wooden/laminate floors or to be tiled onto directly (porcelain/ceramic tiles)

**[Low profile at 30mm thick]** Save cost and space with these 30mm thick XPS foam insulated boards for wet underfloor heating systems meaning floors don't need to be dug/relayed, can simply be played over the existing substructure

**[Energy saving keeping heat in the room/above surface - U Value  $1.1W/m^2 \times K$ ]** Make your wet underfloor heating system more energy efficient and save cost / reduce heat loss into the sub floor, efficient heat transfer and optimal performance of your wet underfloor heating system

**[Lightweight, Easy to lay, cut with a Stanley knife & quick to install]** Our Innovate pre-cut 16mm channels are suitable to accommodate 10-15mm flexible pipes. They are simple to cut to size at edges / corners, and 1200mm x 600mm size at  $0.72m^2$  coverage means you can cover large areas quickly and efficiently

**[Speeds up your underfloor heating installation]** Simply lay the 10mm/15mm/16mm flexible pipe in the precept channels, saves time and cost on other systems securing each run of pipe mechanically or with track work. Each board cuts with channels recut for a U/180° return (ie. At a wall) or a straight through run to the next board - Pipe centres spacing 150mm

**[Suitable for Tiling or wooden/laminate floors]** High compressive strength of 400 kPa mean you can simply lay wooden/laminate flooring systems directly on top (relevant underlay recommend as per flooring manufacturers instructions) or cover with a screed layer for tiling

**Board Features & Benefits:**

- 1200 x 600mm +/-5% tolerance Boards (individual board size) which makes it very easy to transport and move around on site - Price is for each board which is 0.72 sq m (you need 1.4 x boards to cover 1 sq m - we recommend ordering +10% to allow for wastage / offcuts etc.)
- 30mm thick - pipe channel centres 150mm
- Good insulation - reducing condensation - makes it a great surface to fit wet underfloor heating (UFH) systems onto & non-conductive surface reduces condensation by masking any cold bridging from the substrate beneath
- <0.1 vol % Moisture Absorption
- Has a high compressive strength of over 30 Tonnes per sq.m making it incredibly strong
- High compression strength and lightweight
- Compressive Strength (10% deflection to EN 826:1996) Minimum of 0.3N/mm<sup>2</sup>
- Flammability to EN 13501-1 Class E
- Impact Sound Reduction (BS-ISO140-8) 21 dLw
- Density 36kg/m<sup>3</sup> (DIN 53420)
- Bending Stiffness, E (20mm / 30mm) 601KNmm<sup>2</sup> / 1285 kN/mm<sup>2</sup>
- Seal edges with foil aluminium tape

Number of Sq M Required (m <sup>2</sup> )	No of boards Required
4	6
5	7
6	9
7	10
8	12
9	13
10	14
12	17
14	20
16	23
18	25
20	28
25	35
30	42
35	49
40	56
45	63
50	70

Boards are price individually and only sold in packs/multiples of 5 hence you may need to round up to the nearest 5 i.e. 5, 10, 15, 20, 25 etc...

Property	Assessed to	Rating
Density	DIN 53420	32 kg/m <sub>3</sub>
Thermal Conductivity (initial)	DIN 52612	0.034 Watt/mK
Thermal Conductivity (>5yrs)	ASTM C518	0.036 Watt/mK
Compressive Strength (10% deflection)	DIN 53421	Minimum of 0.3N/mm <sub>2</sub>
Flexural Strength	ASTM C203	0.30 ±0.02 MPa
Water Absorption (2-day immersion)	ISO2896	0.2% by volume
Water Absorption (Capillary)	DIN 53428	Zero
Coefficient of linear expansion	N/A	70 x 10 <sup>-6</sup> K <sup>-1</sup>
Water Vapour Diffusion Resistivity (μ)	DIN 52615	110 - 225 μ
Water Vapour Permeability	ASTM E-96	0.028 ng/Pa.m.s
Fire Euroclass	BS EN 13501-1	Class E

## Installation

The installation method for XPS foam insulation boards depends on the type of heating system being installed:

- Wooden floor Heating System: Lay the boards in a staggered brick bond pattern, optional foal tape joints end edges, then place the heating mat directly over the boards
- Tiled floor - the boards must be securely fixed to the subfloor using a suitable flexible tile adhesive & cover with a screed layer for tiling onto.