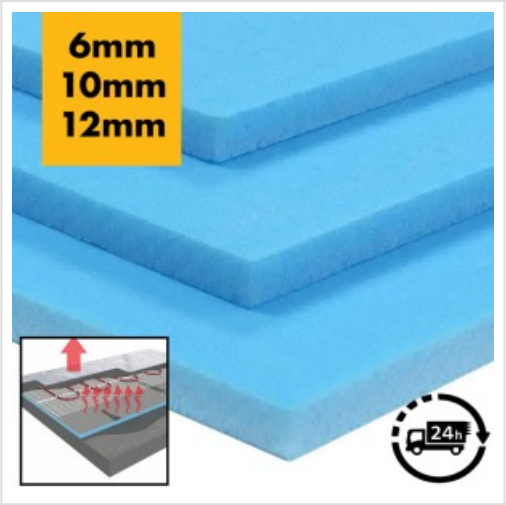
[REGISTERED OFFICE ONLY]
The Levels
Capital Business Park
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XPS Foam Insulation Board for Underfloor Heating 6mm / 10mm / 12mm -Thermal Pro Warm Insulating Board

~~£4.99~~ **£3.98**



Product Description

(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)*

20mm XPS foam insulation underfloor heating (UFH) boards for 10-15mm 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)

[MAKES UNDERFLOOR HEATING MORE EFFICIENT & SAVES MONEY] With a U Value of 2.23 W/m x K, the XPS foam insulation boards are suited to lay below any underfloor heating installation - retaining heat in the room making it more energy efficient & saving cost - simply lay below the underfloor heating system/foil mat

[XPS FOAM INSULATION BOARDS 6MM / 10MM / 12MM] High compressive strength (30tonnes / m) suitable for a range of applications such flooring - lay below foil layer on underfloor heating systems to retain heat internally - ensuring efficient heat distribution and energy savings.

[INSULATED XPS FOAM CORE & MOISTURE RESISTANT] Hard backer board has great water resistance & insulation properties to keep your tiles warm to touch as well as ideal for under floor heating application ensuring heat is retain within

the room and thus making installations more energy efficient - U value as low as 2.23 W/m

[EASY TO INSTALL SIZE - 600MM X 1200MM] Tile backer comes in a convenient size for transporting up stairs and laying - Simply lay the boards in a staggered brick bond pattern and lay heating matt over the top. Secure the boards to the subfloor using flexible tile adhesive if tiling over.

[CUTS WITH A STANLEY KNIFE] Tile backer boards cut with a sharp or hot stanley knife & straight edge, saving time and money on expensive power tools as well as capable of cutting various shapes and sizes by hand such as cutting around pipes, furniture and appliances etc. & no pre-drilling required

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.)
- 6mm Thick / 10mm / 12mm
- Good insulation - reducing condensation - makes it a great surface to fit one of our electric underfloor heating 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/mm2
- Flammability to EN 13501-1 Class E
- Impact Sound Reduction (BS-ISO140-8) 21 dLw
- Density 36kg/m^3 (DIN 53420)
- Bending Stiffness, E(20mm / 30mm) 601KNmm^2 / 1285 kN/mm^2
- Seal edges with foil aluminium tape

Number of Sq M Required (m)No of boards Required4657697108129131014121714201623182520282535304235494056456350 70

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

THERMAL PROPERTIES

BOARD THICKNESS (MM)NET THICKNESS XPS (MM)R-value (m2.K)/W
U-value W/m2 x K
d Rated value
6MM6MM0.212.620.037810MM10MM0.282.230.037812MM12MM0.361.960.0378**PropertyAssessed toRating**DensityDIN 5342032 kg/m3Thermal Conductivity (initial)DIN 526120.034 Watt/mKThermal Conductivity (>5yrs)ASTM C5180.036 Watt/mKCompressive Strength (10% deflection)DIN 53421Minimum of 0.3N/mm2Flexural StrengthASTM C2030.30 0.02 MPaWater Absorption (2-day immersion)ISO28960.2% by volumeWater Absorption (Capillary)DIN 53428ZeroCoefficient of linear expansionN/A70 x 10-6 K-1Water Vapour Diffusion Resistivity ()DIN 52615110 - 225 Water Vapour PermeabilityASTM E-960.028 ng/Pa.m.sFire EuroclassBS EN 13501-1 Class E

Board thickness
in mmNet thickness
xps in mmR-value
(m.K) /WU-value
W/mx Kd
Rated value640.113.630.03781080.212.620.037812100.282.230.03782018