

Warmup Insulation Tile Backer Board for Walls & Floors 10mm Thick



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Rating: Not Rated Yet

Price

Base price with tax £16.99

Sales price £16.99

Discount

Tax amount £2.83

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Manufacturer [Warmup](#)

Description

SPECIFICATION

- **10mm THICK**
- **1250MM (L) X 600MM (W)**
- **COMPOSITION: EXTRUDED POLYSTYRENE**
- **EACH SIDE COATED WITH NOMINAL 0.5MM THICK GLASSFIBRE REINFORCED POLYMER-MODIFIED CEMENT MORTAR**
- **R VALUE: 0.28**
- **CLASS '0' / 'B1' FIRE RATED**

- **EUROPEAN COMPLIANT & CE MARKED**
- **CONFORMS TO BUILDING REGULATIONS PART L**

FEATURES

- **EASY TO CUT & SHAPE USING KNIFE OR SAW**
- **CAN BE FIXED TO SOLID OR STUD WALLS, & FLOORS**
- **FULLY WATERPROOF - JOINTS MUST BE SEALED TO MAKE THEM WATERPROOF**
- **HOLDS WALL TILES UP TO 62kg/m²**
- **HOLDS FLOOR TILES UP TO 30 TONNES/m²**

- **HIGH THERMAL INSULTION, RESISTING HEAT LOSS**
- **IMPACT SOUND REDUCTION**

- **READY FOR TILE/PLASTER - NO ADDITIONAL PREP REQUIRED**
- **EXCELLENT AS INTERNAL WALL INSULATION**
- **APPROVED FOR USE WITH WARMUP DCM-PRO**

SUITABLE FOR

- **USE ON WALLS & FLOORS**
- **TILING**
- **ELECTRICAL UNDERFLOOR HEATING**
- **WET ROOMS, BATHROOMS, KITCHENS**
- **USE FOR DRY LINING, INSULATING & WATERPROOFING**

Warmup Cement Coated Tough Insulation Boards for electric underfloor heating systems

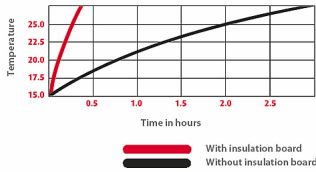
Suitable for all electric systems, Warmup's Insulation Boards are a high-quality insulation solution with low thermal conductivity, reducing heat up times by up to 90%.

Composed of extruded polystyrene and covered on both side with a slim, flexible fiberglass mesh within a cement coating, the Insulation Boards can withstand a load of 30 tons per square metre and are also waterproof, making them the perfect choice for use with underfloor heaters in bathrooms and wet-rooms.

Warmup cement coated tough insulation boards are an important element when installing underfloor heating. They provide a foundation to the underfloor heating system. The insulation improves the response time and heat retention within the room reducing energy consumption.

Manufactured from water resistant extruded polystyrene, finished on both faces with a thin layer of fiberglass reinforced cement. They are ideal for backing applications on both walls and floors, with the internal layer of insulation capable of supporting 30 tonnes per square metre. The 0.5mm thick cement coating provides an excellent surface for tile adhesive, plaster and smoothing/levelling compounds with no priming required.

The low thermal conductivity of the insulation enhances the efficiency of underfloor heating systems, even when used over pre insulated sub floors. This is because they reduce the thermal mass of the floor, significantly reducing the amount of heat absorbed by the sub floor. This allows the underfloor heating system to warm the floor and room up faster and ensures the floor cools down faster after use. A warm floor can be acheived in as little as 20 minutes compared to over 2 hours with no insulation.



By reducing the amount of time the room takes to warm up and cool down, the room can spend longer at its cooler set back temperature reducing its heat loss.

Available in different sizes and thicknesses to suit your room's requirements, Warmup's Insulation Boards are simple and quick to install and also carry soundproofing qualities.

[Why do I need underfloor heating insulation?](#)

Why do I need underfloor heating insulation?

Underfloor heating systems are a great way to prevent unnecessary energy wastage in your home; typically floor-heating solutions heat-up a room much faster than traditional radiators and require less energy to do so. To make your heating more efficient and to save even more money on your heating bills, we recommend you also install Warmup Insulation to work alongside the floor-heater.

A well-insulated home is a more energy-efficient home and with good quality insulation you can prevent heat-loss through the floor, a common way for heat to escape a room and therefore wasting energy. Warmup Insulation sits between the subfloor and the underfloor heating pipes or wires to act as a barrier that stops this heat-loss and bounces the heat back into the room.

[Insulation provides greater energy-efficiency](#)

Insulation provides greater energy-efficiency

Warmup underfloor insulation systems dramatically reduce heat-loss, keeping the warmth inside the room, saving you both energy usage and money. Insulation can also rapidly improve the heat-up time of the floor heating system; as the heater warms up to the optimal comfort temperature, the insulation enhances this heat and evenly distributes it into the room.

We believe the thicker the insulation below the floor heater, the greater the energy-efficiency, however deeper insulation will affect floor build-up height. Warmup Insulation products come in a range of depths and sizes to provide you with the optimal solution for your project to prevent energy-wastage.

[Where can I use it?](#)

Where can I use it?

Floors & Walls: Warmup® Insulation Boards can be used as a structural tile backer board on the floor, withstanding a load of 30 tonnes/sqm and are ideal for use with underfloor heating. They offer the added benefit of high sound proofing properties. We recommend a minimum thickness of 6mm on a concrete subfloor and 10mm on a wooden subfloor for floor stability. As wall tile backer boards, tiles can be fixed directly onto the surface without prior preparation. When the joints are sealed it is totally waterproof, offering an ideal solution for use in bathrooms, shower rooms, wetrooms and kitchens.

[What is it made from?](#)

What is it made from?

Warmup® Insulation Boards are made of waterproof extruded polystyrene and have a glassfibre mesh embedded on each face, onto a cement polymer adhesive. The boards are fully waterproof, preventing any water to pass through them in the way expanded polystyrene boards do. They are lightweight, easy to cut with a knife and install onto any surface. Being free of harmful asbestos, they pose no health or safety risks and are unaffected by the freeze/thaw cycle.

[What is an R Value?](#)

What is an R Value?

The R value is a measure of thermal resistance used in the construction industry. The higher the R value the better an insulator (e.g. 10mm Warmup® Insulation Boards have an R value of 0.25 m²K/W and the 20mm Warmup® Insulation Boards have an R value of 0.53 m²K/W). All buildings should strive for the highest possible R values to reduce the amount of energy used.

[Why do you recommend insulation boards on a concrete base?](#)

Why do you recommend insulation boards on a concrete base?

Insulation boards can reduce running costs by as much as 50% because they are a highly efficient thermal barrier to cold rising from the subfloor. By reflecting the heat upwards into the floor instead of losing heat to the subfloor, the floor will be warm in approximately 20 minutes after the system comes on. Without insulation boards it could take several hours. This is important for energy efficiency for today's energy-conscious consumers. See the heat up chart example above, for more details.

Board coverage guide:

Floor or Wall Area - to nearest m²	No of Boards required
1m ²	2
2m ²	3
3m ²	5
4m ²	6
5m ²	7
6m ²	9
7m ²	10
8m ²	12
9m ²	13
10m ²	14
11m ²	16
12m ²	17
13m ²	19
14m ²	20
15m ²	21

Also available in a 10mm, 20mm, 30mm, 40mm and 50mm board thickness.