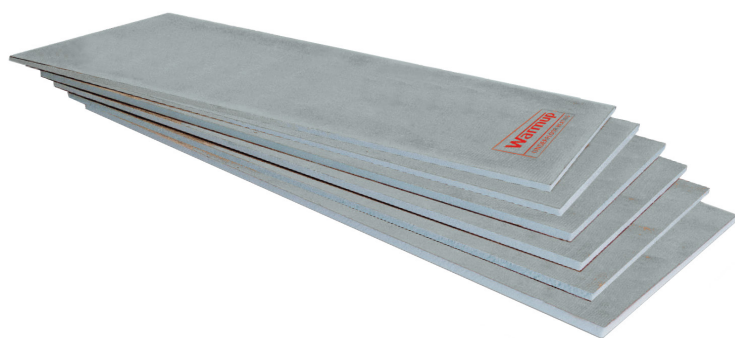


COATED INSULATION BOARDS (INSBOARD)

Warmup®

The world's **best-selling** floor heating brand™



Warmup Insulation Board Size Guide

MODEL	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT (kg)	R VALUE (m ² .K/W)
INSBOARD6MM	6	600	1250	1.95	0.16
INSBOARD(PK1)	10	600	1250	2.22	0.28
INSBOARD20MM	20	600	1250	2.48	0.58
INSBOARD50MM	50	600	1250	3.26	1.50

Accessories

Glass Fibre Tape - The tape helps prevent any movement and is used to cover the joints. One roll per 25 boards.

Using Warmup® Insulation Boards with underfloor heating can lower your running costs by as much as 50% while reducing your carbon footprint. In fact, they can pay for themselves in as little as 2.5 years.*

Warmup® Insulation Board is a water resistant, insulated tile backer board made of extruded polystyrene, faced on both sides with a fibreglass mesh embedded into a thin cement polymer mortar.

The board is designed to withstand a load of 30 tonnes per square metre and is ideal for use with underfloor heating as it prevents the heat from penetrating down into the substrate below.

As a wall tile backer board, tiles can be fixed directly onto the surface without prior preparation and, being totally waterproof, is suitable for wet areas such as bathrooms and wet rooms. The boards have a tile load weight of 62kg/m², to support heavy tiles.

Features and Benefits:

- **Highly Efficient** - Can reduce underfloor heating heat up times to less than 30 minutes as opposed to 2+ hours without insulation**
- **Value** - can pay for itself in as little as 2.5 years*,**
- **Sole Source of Heat** - Allows Warmup to be the sole source of heat in properties built to current building regulations (a heat loss calculation is always required)
- **Effective** - Reduces running costs
- **Structural Benefits** - High compressive strength and waterproofing properties
- **Satisfaction** - Enhances customer satisfaction by reducing heat-up times
- **Cost Savings** - Reduces the need for additional heat source on the whole project
- **Improved Tile Adhesion** - High grab factor. Does not delaminate

*Assumes a system running twice a day for two hours on a concrete subfloor **Source: Warmup tests performed to EN442-2 standards, using 10mm board

Technical Data:

- Board dimensions: 1250mm x 600mm
- Area: 0.75 m²
- Density: 36 kg/m³
- Compressive strength: 3.0 kg/cm² (300kN/m²)
- Water absorption (capillary): Nil
- Board thickness: 6mm, 10mm, 20mm, 50mm
- Water vapour permeability (S_d): 3.2m
- Resistance to body impact: 3x120N/m
- Bending stiffness, EI: (20mm) 601kNmm²
(30mm) 1285 kN/mm²
- Tile loading weight 62kg/m²
- No primer required when used in conjunction with underfloor heating
- Bond strength: 0.3N/mm²
- Shear bond strength: 3.32/kg/cm²
- Thermal conductivity: 0.027 W/mK
- Coefficient of linear expansion: 30 x 10⁻⁶ K⁻¹
- Class "O" / "B1" fire rated
- Fire ignitability: "P" not easily ignitable
- Impact sound reduction: dLw = 21