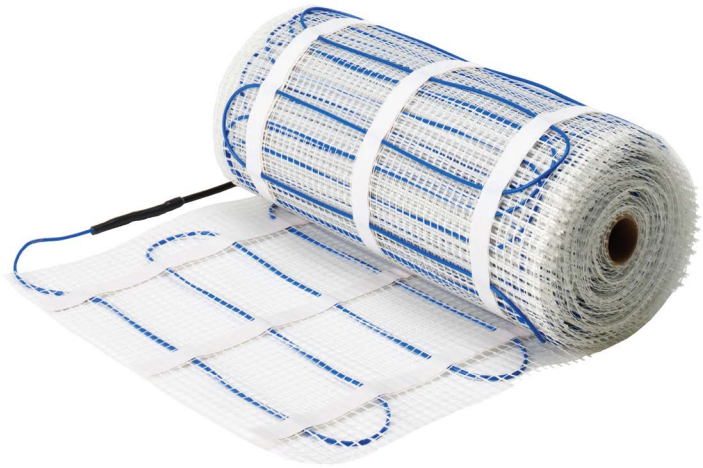
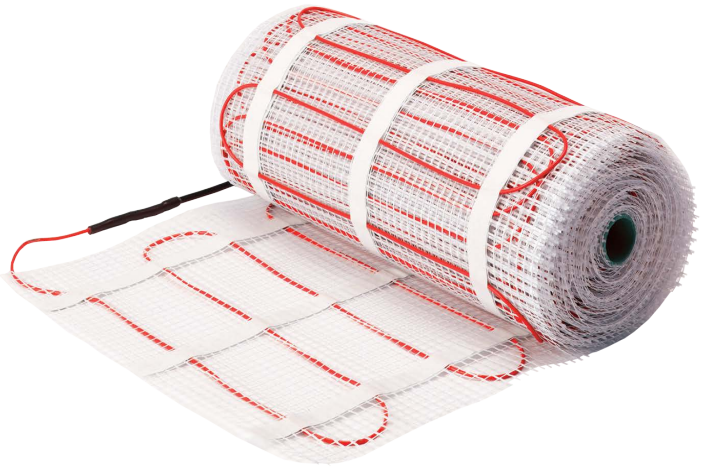
PVC Mat





Overview

The Warmup PVC mat is designed for use under stone and ceramic tiles. The heating cable is fixed to a tough fibreglass mesh with an adhesive back which securely binds the mat to the subfloor.

It is the ideal solution for regular shaped rooms. The mesh (but not the wire), can be cut to fit the shape of the room. The heating cable is a durable single strand, dual core heating cable with a 3 m coldtail.

The PVC mat is available in 150 W/m^2 and 200 W/m^2 mats. Both will provide even heat distribution and with the 200 W/m^2 mat being ideal for rooms with high heat loss such as conservatories.

Technical Helpline
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Electric
Heating System

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

Features

- 3 mm single strand, dual core and double insulated heating element.
- Sticky fibreglass mesh for extra durability and secure installation.
- Quick installation - Simply roll out mat with pre-spaced wire.
- BEAB Approved and CE marked meeting the highest safety standards.
- 10 Year Warranty and SafetyNet™ Installation Guarantee.

Subfloor

RECOMMENDED FLOOR CONSTRUCTION

1 Floor finish

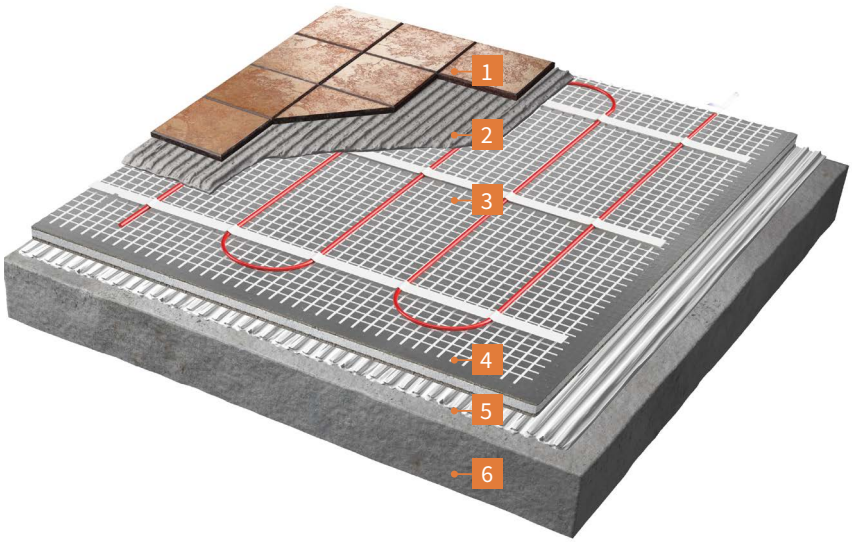
2 Flexible tile adhesive or levelling compound

3 PVC Mat

4 Warmup Insulation Board

5 Flexible Tile Adhesive

6 Subfloor



Technical Specifications

TECHNCIAL SPECIFICATIONS - PVC Mat	
OPERATING VOLTAGE	230 V AC : 50 Hz
OUTPUT RATING	150 W/m^2 & 200 W/m^2
WIDTH	500 mm (0.5 m)
CABLE THICKNESS	3 mm
HEATING CORES	Single-strand, dual core
EARTH PROTECTION	Copper earth wire with aluminium screen
INNER INSULATION	ETFE
OUTER INSULATION	PVC
IP RATING	IPX7
MIN. INSTALLATION TEMPERATURE	- 10 °C
CONNECTION	3 m “coldtail” connection

Size Guide

PVC 150 W/m²					REFERENCE RESISTANCE BANDS (Ω)
PRODUCT CODE	HEATED AREA (m²)	POWER (W)	LOAD (A)	RESISTANCE (Ω)	
PVC1	1	150	0.65	352.7	335.1 - 370.3
PVC1.5	1.5	225	0.98	235.1	223.3 - 246.9
PVC2	2	300	1.30	176.3	167.5 - 185.1
PVC2.5	2.5	375	1.63	141.1	134.0 - 148.2
PVC3	3	450	1.96	117.6	111.7 - 123.5
PVC3.5	3.5	525	2.28	100.8	95.8 - 105.8
PVC4	4	600	2.61	88.2	83.8 - 92.6
PVC4.5	4.5	675	2.93	78.4	74.5 - 82.3
PVC5	5	750	3.26	70.5	67.0 - 74
PVC6	6	900	3.91	58.8	55.9 - 61.7
PVC7	7	1050	4.57	50.4	47.9 - 52.9
PVC8	8	1200	5.22	44.1	41.9 - 46.3
PVC9	9	1350	5.87	39.2	37.2 - 41.2
PVC10	10	1500	6.52	35.3	33.5 - 37.1
PVC12	12	1800	7.83	29.4	27.9 - 30.9
PVC15	15	2250	9.78	23.5	22.3 - 24.7

PVC 200 W/m²					REFERENCE RESISTANCE BANDS (Ω)
PRODUCT CODE	HEATED AREA (m²)	POWER (W)	LOAD (A)	RESISTANCE (Ω)	
2PVCM1R	1	200	0.87	264.5	251.3 - 277.7
2PVCM1.5R	1.5	300	1.30	176.3	167.5 - 185.1
2PVCM2R	2	400	1.74	132.3	125.7 - 138.9
2PVCM2.5R	2.5	500	2.17	105.8	100.5 - 111.1
2PVCM3R	3	600	2.61	88.2	83.8 - 92.6
2PVCM3.5R	3.5	700	3.04	75.6	71.8 - 79.4
2PVCM4R	4	800	3.48	66.1	62.8 - 69.4
2PVCM4.5R	4.5	900	3.91	58.8	55.9 - 61.7
2PVCM5R	5	1000	4.35	52.9	50.3 - 55.5
2PVCM6R	6	1200	5.22	44.1	41.9 - 46.3
2PVCM7R	7	1400	6.09	37.8	35.9 - 39.7
2PVCM8R	8	1600	6.96	33.1	31.4 - 34.8
2PVCM9R	9	1800	7.83	29.4	27.9 - 30.9
2PVCM10R	10	2000	8.70	26.5	25.2 - 27.8
2PVCM15R	15	3000	13.04	17.6	16.7 - 18.5

WARMUP COMPONENTS

Insulation Boards

Warmup® Insulation Boards are 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.

They have high thermal insulation properties for energy efficiency and an added benefit of sound absorption.

TECHNICAL SPECIFICATIONS					
MODEL	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT (kg)	R VALUE (m^2.K/W)
INSBOARD6MM	6	600	1250	2.2	0.14
INSBOARD(PK1)	10	600	1250	2.3	0.25
INSBOARD20MM	20	600	1250	2.5	0.53
INSBOARD30MM	30	600	1250	2.8	0.81
INSBOARD40MM	40	600	1250	3.0	1.08
INSBOARD50MM	50	600	1250	3.2	1.36

Warmup Insulation Boards have zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than 5

Thermostat

4iE® SMART WIFI THERMOSTAT

For Central Heating and Underfloor Heating Systems

Connected to the internet by WiFi, it can be controlled from a smart phone, tablet or computer as well as its own touchscreen interface. It learns how homeowners use their heating and the unique way each zone reacts. It uses this knowledge to suggest ways to save energy, such as what temperature should be set when the area is not in use and when the heating can be turned off earlier with no noticeable impact on comfort.