

# UFH Premium Mat

**butech**

PORCELANOSA Grupo

By **Warmup**

The UFH Premium Mat System is designed for use within the adhesive layer under tiles. The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy whilst ensuring precision is maintained.

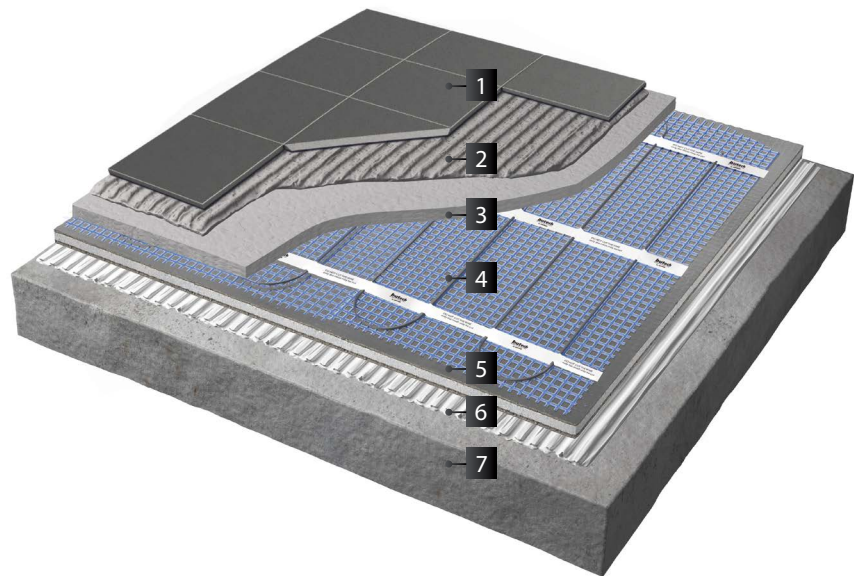
The pressure sensitive adhesive securely binds the mats to the floor, keeping them flat and ensuring the application of tile adhesive is snag free whilst allowing the mats to be easily repositioned as needed.

The ultra-thin, 1.8 mm multistrand, dual core heating cable, is double insulated with an advanced fluoropolymer making it exceptionally tough and easy to tile over.

The UFH Premium Mat is available in 150 W/m<sup>2</sup> making them ideal for use as the primary heat source within modern homes and most older properties.

## FLOOR CONSTRUCTION

- 1 Floor covering - Tiles
- 2 Flexible adhesive Super-flex S2
- 3 Butech self-levelling compound Level 3
- 4 Butech premium underfloor heating mat
- 5 Butech 10mm Concept XPS Panel board
- 6 Flexible adhesive Super-flex S2 rapid
- 7 Substrate



## BUTECH BUILDING TECHNOLOGY

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# Features

- UFH Premium Mat is available in 150 W/m<sup>2</sup>.
- Ultra-thin, 1.8mm cable multistrand, dual core heating cable is double insulated with an advanced fluoropolymer making it exceptionally tough and easy to tile over.
- Ideal for regular shaped rooms, where the 0.5 m wide mats can be rolled out across the floor in parallel runs.
- Pressure sensitive adhesive securely binds the mats to the floor keeping them flat for fast and secure installation.

■ BEAB Approved and CE marked meeting the highest safety standards for ultimate peace of mind.

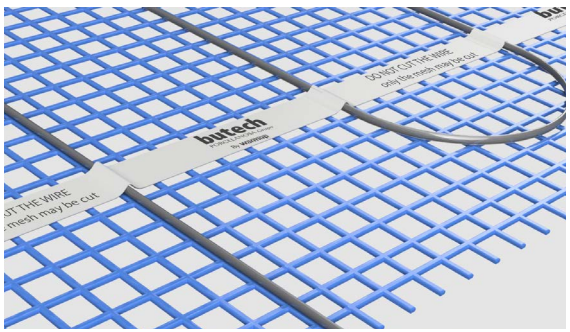


■ Lifetime Warranty & Replacement Warranty.



# Technical Data

TECHNICAL DATA	
OPERATING VOLTAGE	230 V AC +/- 15 %, 50 Hz
IP RATING	IPX7
WIDTH	500 mm
MAT THICKNESS	3 mm
CABLE THICKNESS	1.8 mm
OUTPUT RATING	150 W/m <sup>2</sup>
INNER INSULATION	ETFE
OUTER INSULATION	ETFE
MIN. INSTALLATION TEMP	5°C
CONNECTION	3 m LONG "COLDTAIL" CONNECTION



## UFH Premium Mat 150 W/m<sup>2</sup>

PRODUCT CODE	CODE	AREA TO BE HEATED (m <sup>2</sup> )	POWER (W)	LOAD (A)	RESISTANCE (Ω)		
					(-5%)	(Ω)	(+5%)
BU-PM1-EU	100232008	1	150	0.65	335	353	370
BU-PM1.5-EU	100232081	1.5	225	0.98	223	235	247
BU-PM2-EU	100232053	2	300	1.30	168	176	185
BU-PM2.5-EU	100232009	2.5	375	1.63	134	141	148
BU-PM3-EU	100232090	3	450	1.96	112	118	124
BU-PM4-EU	100232082	4	600	2.61	84	88	93
BU-PM5-EU	100232016	5	750	3.26	67	71	74
BU-PM10-EU	100232080	10	1500	6.52	34	35	37

# Quick Install Guide

Quick Install Guide - Please also read the full instruction manual found with the UFH Premium Mat system.



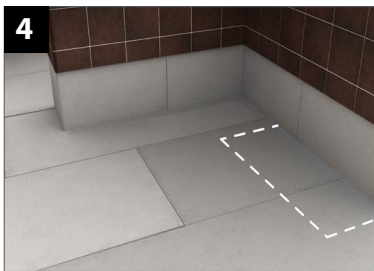
- Make electrical provision for the heater (30mA RCD, 35 mm deep electrical back boxes, trunking).



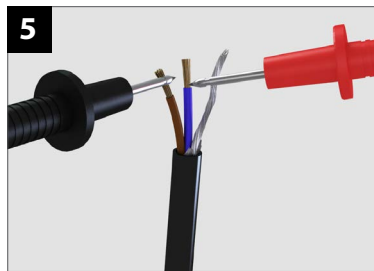
- Ensure the subfloor is smooth, dry and free from dust.



- We recommend installing Concept XPS panels by Butech for optimum performance.



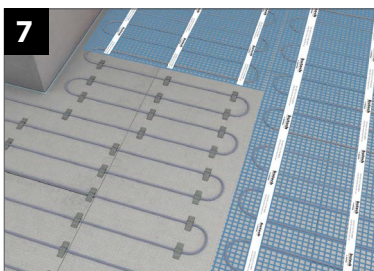
- Mark on the subfloor where fixed objects, kitchen units etc. are likely to be.



- Test the resistance of the heater ensuring it is within the range set out in the Reference Resistance Band table on Page 2.



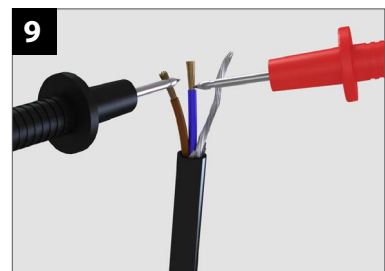
- The cable should be installed 40mm in from the edge of the heated area or penetrations through the floor.



- Cut, turn and affix the mat to the subfloor using self-adhesive mesh or double sided tape
- Any loose heating cable removed from the mesh must be installed at no less than 50 mm intervals and tab taped in place.



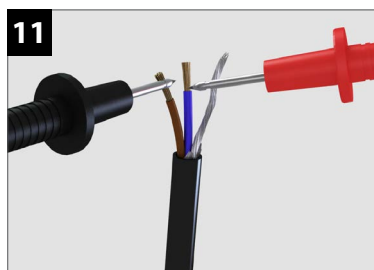
- Channel a groove in the subfloor for the coldtail & termination joints, enabling them to fit flush with the top of the heater. DO NOT tape over these joints!
- Install the floor sensor centrally between two runs of the heater.



- Test the resistance of the heating cable after installation and check against the previous value to ensure no damage has occurred.



- Lay the tiles over the system.
- The heater, including its joints, must be wholly within the adhesive or levelling compound being laid over and not exposed.
- Use flexible grout when grouting.



- Test the resistance of the heating cable after tiling and check against previous values to ensure no damage has occurred.



- Connect your 8GM thermostat.