

# Technical specification

## Heating Mat Specification

<b>Voltage supply:</b>	230V
<b>Outputs:</b>	from 0.07kW to 2kW depending on model
<b>Webbing:</b>	fibreglass (500mm wide)
<b>Fixing:</b>	continuous double sided tape
<b>Power lead:</b>	3m long two core and earth
<b>Cable approvals:</b>	EN60335-2-96 as required by the 17th Edition Wiring Regulations (BS7671.2008)
<b>Cable diameter:</b>	3mm to 4mm
<b>Earth screen:</b>	continuous AL/PET foil

## F-Board Insulated Tile Backer Board Specification

<b>Compressive strength (10% compression):</b>	300kpa
<b>Thermal conductivity to BSEN13164 (5 years):</b>	0.033W/Mk
<b>Water absorption by volume:</b>	0.6%
<b>Density (rigid foam core):</b>	36kg/m <sup>3</sup>
<b>Temperature range:</b>	-50°C to +75°C
<b>U value (6mm thick board):</b>	6.6W/m <sup>2</sup> k
<b>U value (10mm thick board):</b>	3.66W/m <sup>2</sup> k
<b>Outer surface (top and bottom):</b>	Reinforced mesh with cementitious hard coat