

Heat Mat

Underfloor Heating

Call 01444 247020
to find out more or
visit our website at
www.heatmat.co.uk

Underfloor Heating Floor Buildups

Choosing the correct underfloor heating system for your chosen floor covering

It is important to match the underfloor heating system you install with your final finished floor covering, and in this Factsheet we show the main floor construction options using the most suitable systems for various popular floor types.

If you have chosen a tiled floor then a 200W/sqm heating mat or cable system will offer the fastest warm up time and lowest running costs, and if you are looking to have a floating laminate floor then our ULS system offers speedy installation without the need for levelling compounds.

In rooms where carpet, Karndean or bonded wooden floors have been chosen we recommend installing our 160W/sqm heating mats beneath a 12mm levelling compound as this will allow the heat to spread evenly.

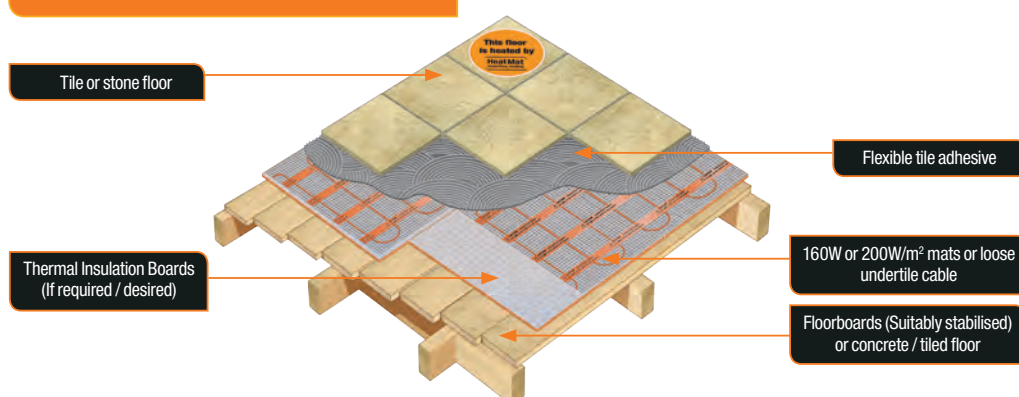
For new build situations or where you are going to be laying a screed at least 50mm deep before your final floor covering we would

recommend considering our 7mm cable. This range is less expensive to install than other systems and offers a more stable room temperature, although it does take slightly longer to warm the room than the alternatives as it needs to heat the screed first.

If you are unsure of the finished floor covering then a 160W/sqm system covered with a levelling compound or a screed is a great idea, as virtually any floor covering can be laid on top of this type of system once it is installed.

All of the systems shown will benefit from the installation of our structural insulation boards beneath them which will help the floors to warm up faster and run in a more energy efficient manner. We have not separately shown our undertile heating cable or FlexHeat, however these can be installed in exactly the same way as our heating mats which are illustrated below and overleaf.

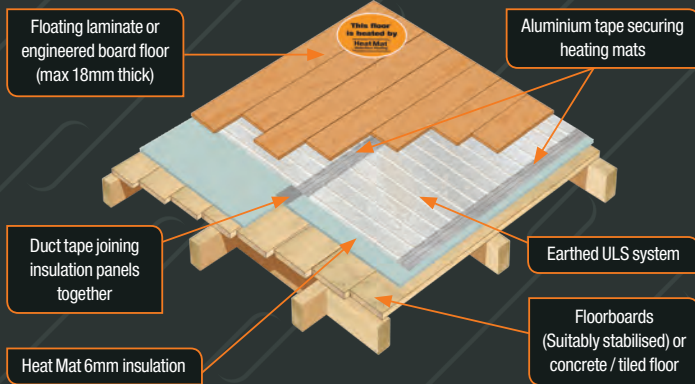
Tiles and stone



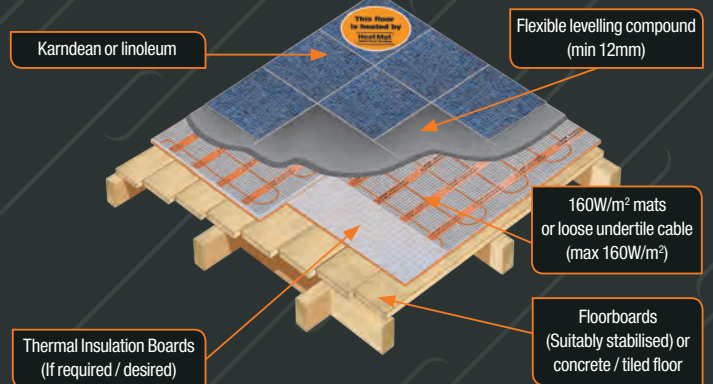
Choosing your underfloor heating system

- Tile and stone**
 200W heating mats are ideal offering the fastest warm up time. 160W mats are also suitable and if a screed is being laid then the 7mm cable is a cost effective option
- Floating laminate or engineered board**
 The fully earthed ULS system is ideal for these floor types as long as they are no thicker than 18mm
- Carpet, bonded wood/board or vinyl**
 160W heating mats with a covering of 12mm of levelling compound are ideal for heating these surfaces. 7mm heating cable laid at 160W/sqm is suitable if a 50mm screed is being laid
- Bathrooms and utility rooms**
 All Heat Mat systems are fully earthed for safety and are therefore suitable for use in these rooms
- Wet rooms**
 160W mats or in-screed cables laid at 160W/sqm are ideal for use in true wet rooms with the waterproofing layer installed above the heating system
- Part L Compliant systems**
 Both 160W and 200W heating mat systems are suitable for Part L Compliant systems, as is the 7mm cable
- Undertile Heating Cables**
 3mm Undertile heating cables and Heat Mat FlexHeat are suitable for using in any situation where a heating mat is used, however they are not Part L Compliant

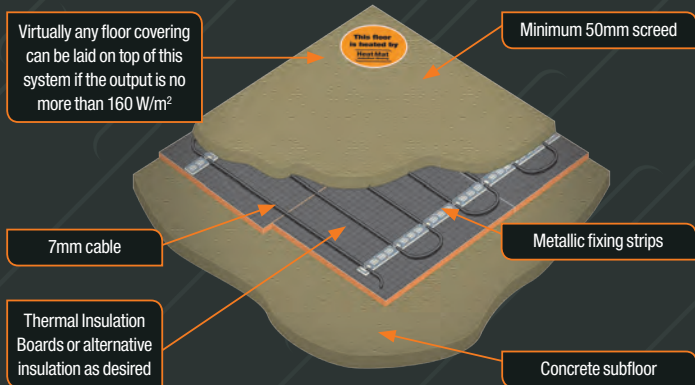
Floating laminate and engineered board floors



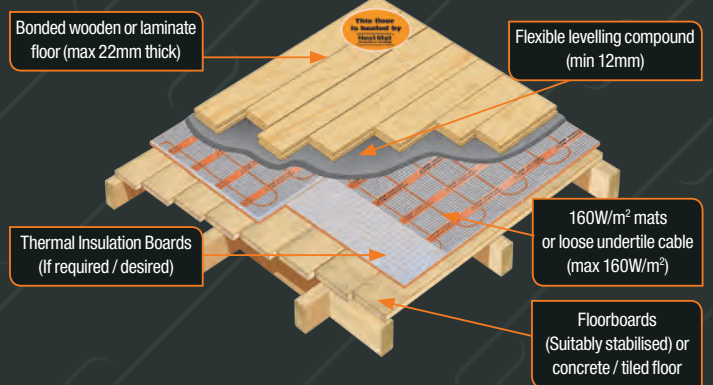
Karndean or linoleum



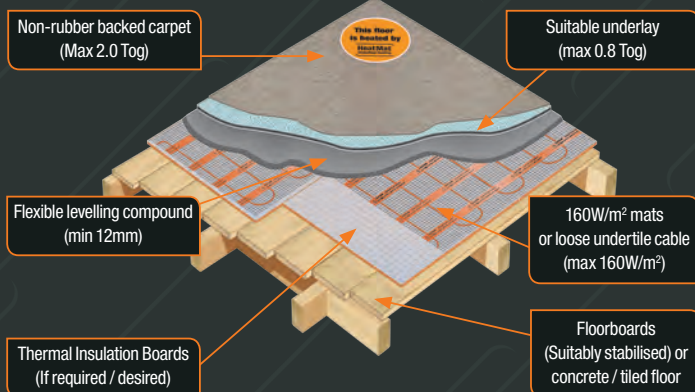
Screed layer



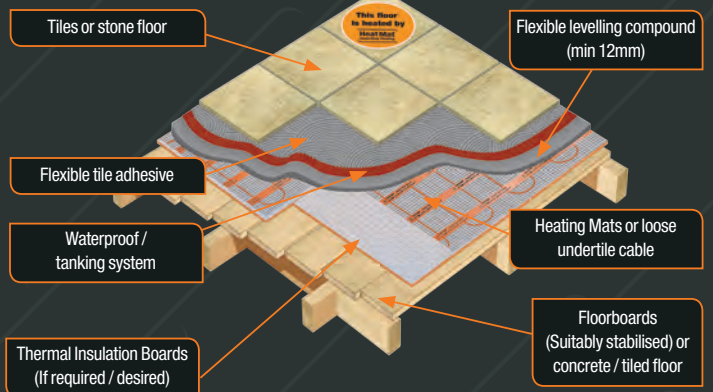
Bonded wooden and laminate floors



Carpet



Waterproof membrane



About Heat Mat

With more than 1,000,000m² of underfloor heating installed, 17 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professional's Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.



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Underfloor Heating



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