

# Living Heat Ltd.

The Underfloor Heating Specialists

Living Heat / 'underfloor heating world' specialises in the all types of under floor heating and the associated ancillary products.



Please do not hesitate to contact ourselves to discuss your underfloor heating requirements. Our advice and time is FREE. 01803 316 060

Living Heat offers systems for use under all floor coverings, all capable of use as the primary heat source, (no other heating required).



[www.livingheat.co.uk](http://www.livingheat.co.uk)

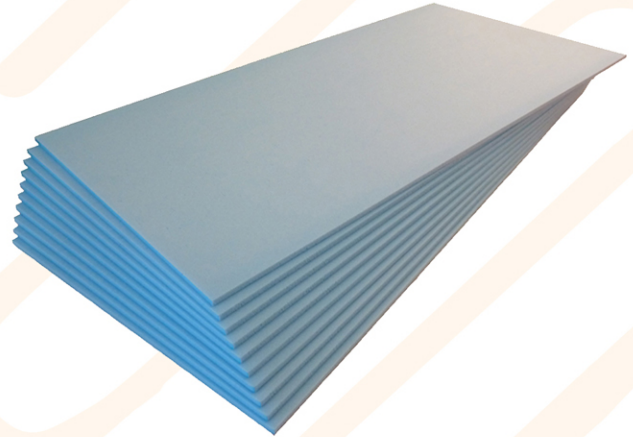
"Bringing Heat to Life!"

# Living Heat

01803 316 060



**Hard Thermal Insulation Board Fitting Instructions.**



**"Greater efficiency = Lower cost"**

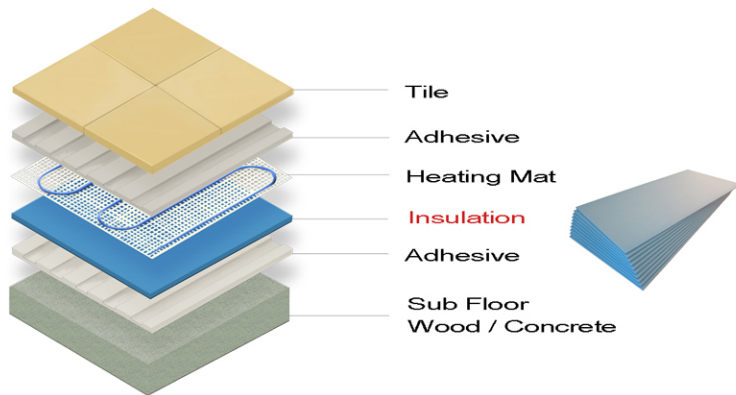
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*"Bringing Heat to Life!"*

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Underfloor hard thermal insulation boards are designed for use directly under tile and stone floors. The insulation comes in 6, 10 & 20mm depths. The next 7 steps are listed to help guide you through the installation process. Please note that only tiles of 150x150mm or larger should be laid directly over hard insulation boards. Mosaic or tiles smaller than 150x150mm should first have 6mm of levelling compound laid over the insulation prior to the tiles being fitted.

1: The sub floor whether concrete or wood should be made suitable for the chosen floor covering, (ie tiles) prior to any boards being fitted. The boards are designed to provide increased insulation levels not structural rigidity.

2: Make sure the floor is clean, (dust and debris free). A suitable floor primer should then be applied to provide a good fix for the adhesive. This is especially important over very porous floor surfaces such as old dry concrete.

3: Using a standard 1 part flexible floor tile adhesive, suitable for use with the sub floor construction, (wood or concrete) spread a thin full bed over the area to be fitted. Using a small notched trowel will increase the coverage of adhesive per bag.

4: Working in manageable sized areas, lay the insulation boards over the freshly spread adhesive using a large, rigid flat board to press the insulation boards down flat into / onto the adhesive. All boards should be butted together making sure to achieve a full floor coverage leaving no gaps. If necessary the flexible floor adhesive can be used to fill any small gaps between boards.

5: If boards need to be cut to size this is easily done with a sharp Stanley knife or fine tooth saw.

6: Once the boards are laid and the adhesive is set, care should be taken not to apply excessive point loads to the insulation until the tiles have been laid and grouted. Small dents and damage caused to the surface of the boards will have little affect but if the boards are to be left exposed for long periods of time or other work is to be carried out over the boards they should be covered with sheets of ply or other hard sheet material which will reduce the chance of damage.

7: When fitting the chosen final floor covering it is advisable to work on top of a hard board. This will help prevent damage to the insulation when the work is being carried out.

For further information please do not hesitate to call ourselves  
01803 316 060