



ResoThermchip®

Product Information & Technical Data Sheet

Resonate's ResoThermchip® are a range of CNC grooved chipboards suitable for underfloor heating applications. The high performance boards are available in 1200mm and 2400mm lengths, and finished with a foil facing depending on your project requirements.

Cost Effective Underfloor Heating

ResoThermchip® boards provide extremely efficient and high performance underfloor heating for building occupants. They are ideal for all types of developments including residential, care homes and offices.

This system is ideal for replacing existing floor boarding on timber joisted floors as it has minimal impact on floor heights. The system is finished off with our 6mm ResoBACKER (fibre cement) cover board, available plain or with pipe layout printed.

The P5 chipboard used to manufacture these panels is FSC® certified (FSC-C221537).



The mark of
responsible forestry
FSC® C221537

Structural Testing

ResoThermchip® has been tested in accordance with:

BS EN 1195:1998

BS EN 12871:2013

Ultimate Floor Load, $F_{max} = 6.62kN$

**Safety factor of 50% should be applied to above value*

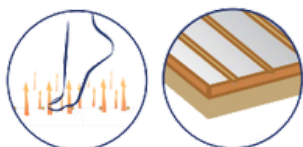
Testing Parameters

Timber joists = 150mm x 47mm at 600mm centres

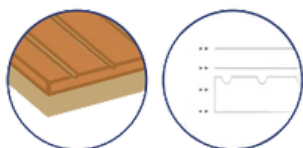
ResoThermchip® = 22mm thick; 16mm rout at 150mm centres

ResoBACKER = 6mm thick; glued and screw at 150mm centres

Key Benefits



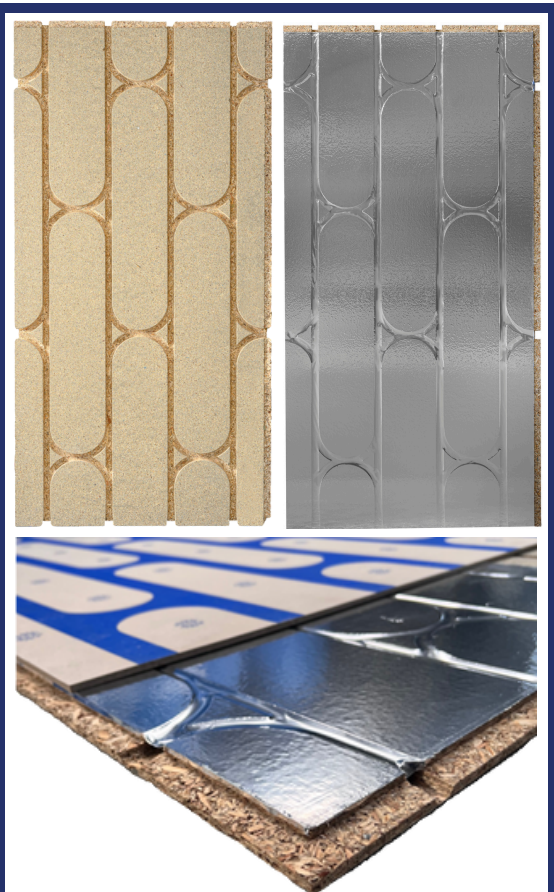
High heat output, with foil facing and pipe centre options



Suitable for all types of 10mm, 12mm, 14mm & 16mm UFH pipes

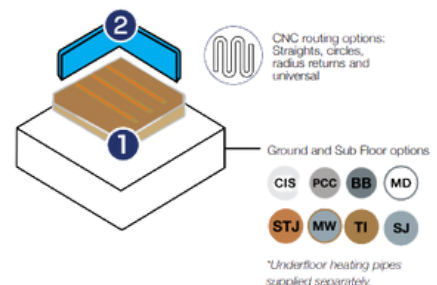


Faster response times - UFH pipes are closer to surface finish than traditional FFB (fit from below) installation



System Components

1. Resonate ResoThermchip® floor panel*
2. ResoThermEdge flanking strip



Dimensions

Widths Available
600mm

Lengths Available
1200mm / 2400mm

Thickness Available
22mm (+6mm ResoBacker)

Dimensional Tolerances
(+/-1mm)

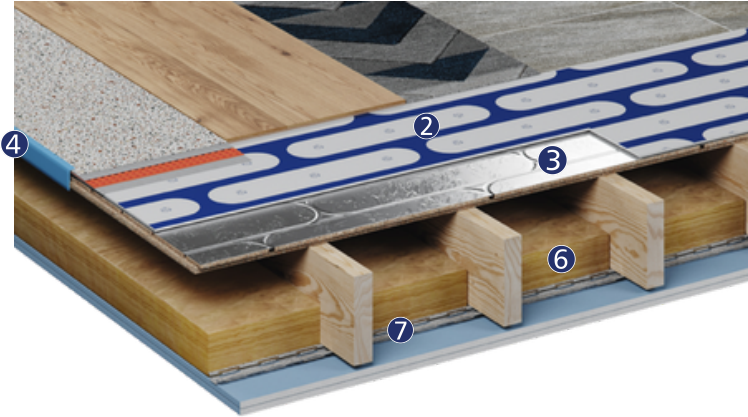
Moisture Absorption
0.6%



Product Applications

Solid Timber Joisted Floor

STJ



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. ResoBACKER Cement Fibre coverboards
3. Resonate ResoThermchip®
4. ResoEdge L30 flanking strip
5. Timber floor joists (max 600mm centres)
6. ResoQuilt 50mm soundproofing wool
7. 30mm ResoBar resilient bars
8. 2 x 15mm acoustic plasterboard