



# ResoThermchip®

## Product Information & Technical Data Sheet

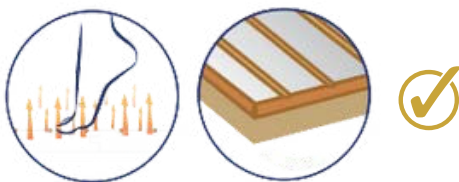
Resonate's ResoThermchip® are a range of CNC grooved chipboards suitable for underfloor heating applications. The high performance boards are available in 1200mm and 2400mm lengths, and can be bonded to with a layer of insulation or finished with a foil facing depending on your project requirements.

### Cost Effective Underfloor Heating

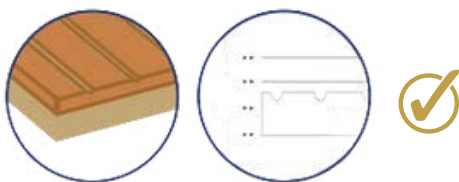
ResoThermchip® boards provide extremely efficient and high performance underfloor heating for building occupants and are ideal for all types of development including residential and commercial.

Underfloor heating pipes are laid inside the ResoThermchip® panels, and able to retain heat efficiently and effectively. Multiple thickness' are available.

### Key Benefits



**High thermal performance, with foil facing and insulation layer options**



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



**Good heat outputs - UFH pipes are closer to surface finish than traditional FFB (fit from below) installation**

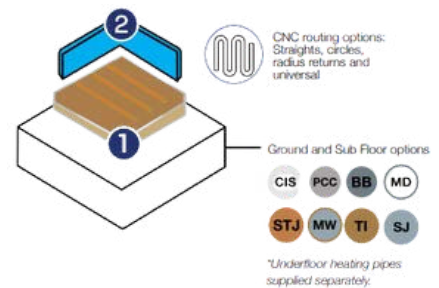


**Can be used on an acoustic system on separating floors**



### System Components

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



### Dimensions

**Widths Available**  
600mm

**Lengths Available**  
1200mm / 2400mm

**Thickness' Available**  
22mm, 32mm, 40mm, 42mm, 47mm, 52mm, 62mm, 72mm, 82mm, 92mm, 102mm, 112mm, 122mm

**Thermal Conductivity**  
0.033 W/mK (when bonded to ResoThermXPS®)

**Moisture Absorption**  
0.6%

**Compressive Strength**  
300kPa, 500kPa

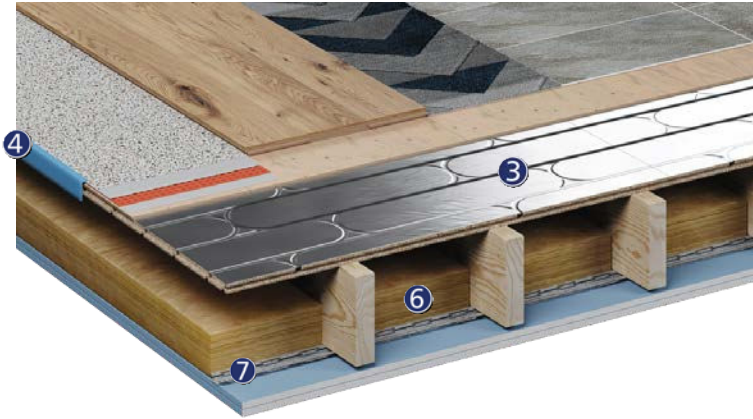
**Dimensional Tolerances**  
(+/-1mm)



# Product Applications

## Solid Timber Joisted Floor

STJ



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Plywood / Cement Fibre coverboards
3. Resonate ResoThermchip
4. ResoEdge L30 flanking strip
5. 200mm (min) timber floor joists
6. ResoQuilt 50mm soundproofing wool
7. 30mm ResoBar resilient bars
8. 2 x 15mm acoustic plasterboard