

# ResoThermchip® dB



## Product Information & Technical Data Sheet

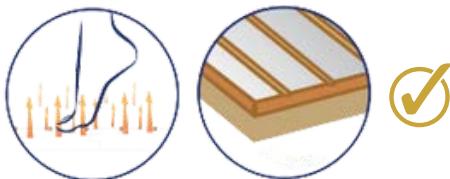
Resonate's **ResoThermchip® dB** is a CNC grooved 22mm chipboard system, with the option of bonded aluminium foiling facing. The high performance boards are available in 1200mm and 2400mm lengths, and are bonded to a layer of 8mm **ResoRubber** (recycled crumb rubber resilient layer) to help attenuate impact noise (footfall) vibrations passing to the floor below.

### Cost Effective Underfloor Heating

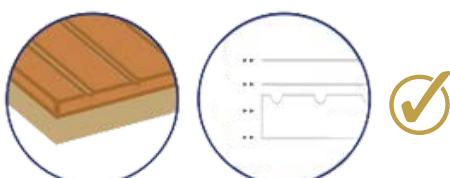
**ResoThermchip® dB** boards provide extremely efficient and high performance underfloor heating for building occupants and are ideal for all types of development including residential and commercial.

Underfloor heating pipes are laid inside the **ResoThermchip® dB** panels, and able to retain heat efficiently and effectively. The boards should be overlaid with a 6mm plywood layer after installing the UFH pipework.

### Key Benefits



**ResoRubber** resilient layer provides effective impact noise reduction.



Suitable for all types of 10mm, 12mm UFH pipes



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



Can be used on a acoustic system on separating floors

### System Components

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

### Dimensions

**Widths Available**  
600mm

**Lengths Available**  
1200mm / 2400mm

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

**Moisture Absorption**  
0.6%

**Thickness' Available**  
30mm (+ 6mm Ply)

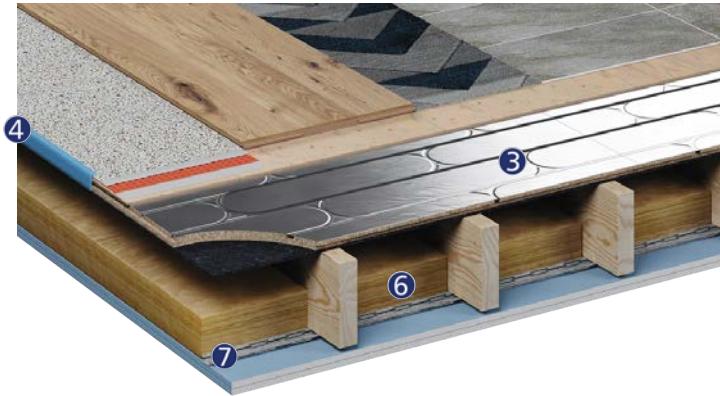
www.resonatesystems.co.uk \ technical@resonatesystems.co.uk



# Product Applications

## Solid Timber Joisted Floor

STJ



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Plywood / Cement Fibre coverboards
3. Resonate ResoThermchip dB
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

Airborne Sound Performance DnT,w + Ctr	48dB
Impact Sound Performance LnT,W	59dB

