

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

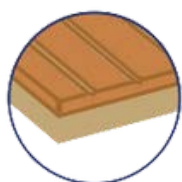
ResoThermchip® dB boards provide extremely efficient and high performance underfloor heating for building occupants and are ideal for all types of development including residential and commercial.

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



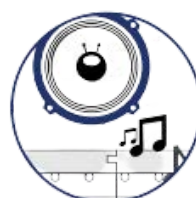
ResoRubber resilient layer provides effective impact noise reduction.



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

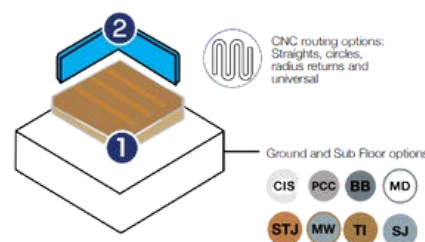


Can be used on a acoustic system on separating floors



System Components

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



*Underfloor heating pipes supplied separately.

Dimensions

Widths Available
600mm

Lengths Available
1200mm / 2400mm

Dimensional Tolerances
(+/-1mm)

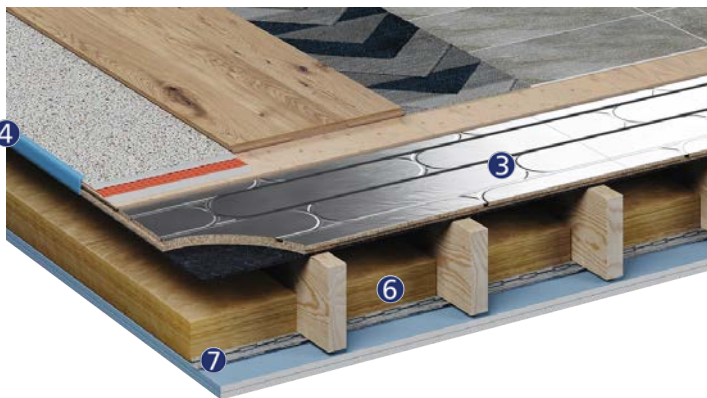
Moisture Absorption
0.6%

Thickness' Available
30mm (+ 6mm Ply)



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 $D_{nT,w} + C_{tr}$	48dB
Impact Sound Performance $L_{nT,W}$	59dB

