

Hush Acoustics - Floating Flooring

HUSH CEM PANEL 18



Hush Cem Panel 18 is a high mass cement particle board that has been developed to add high mass to a structure to improve airborne acoustic performance and can be used as an acoustic overlay board for underfloor heating applications due to its low thermal resistance.

Hush Cem Panel 18 is a cement impregnated chipboard panel that is T&G jointed all 4 sides for a secured bonded fix. The joints on the panel are to be bonded with Hush Cem Panel Adhesive. The product should be laid in a conventional broken bond pattern and should be isolated at the perimeters using the Hush Seal 20 Perimeter Strip.

Hush Cem Panel 18 can be laid as part of an acoustic underfloor heating system (UFH). It can be laid over extruded polystyrene UFH system or roll out electric matt solutions. Due to the excellent low thermal resistance (the same thermal resistance as screeded systems, which are traditionally used with UFH systems) the product will allow heat to pass through the board from the UFH system. Combined with its mass it creates an excellent barrier against passing airborne noise as well as being great for UFH solutions.



ACOUSTIC PERFORMANCE

Impact $L'_{nT,w}$ dB	Airborne $D_{nT,w}$ dB	Airborne $D_{nT,w} + C_{tr}$ dB
56dB	61dB	57dB

Results based on Hush Cem Panel 18 being used as an overlay board, over a UFH System, with an acoustic ceiling and all flanking paths addressed.

PRODUCT DATA

- Overall Board Dimensions 1200 x 600 x 18mm -- 0.72m²
- Weight per m²: 23.00kg
- Weight per board: 17.30kg
- Thermal Conductivity: 0.26 W/m.k
- Thermal Resistance: 0.069 m² K/W (the same R value as traditional screeded systems)
- Board Surface is Class 'O' Fire Rated
- Hush-Panel Cem joints must be glued using the Hush Cem Adhesive
- Hush-Panel Cem perimeters to be sealed using the Hush Seal 20 or Hush Flanking Strips

FEATURES

- ✓ High Mass Acoustic Flooring to improve both Airborne and Impact noise issues when laid over suitable UFH system
- ✓ Excellent Acoustic Performance
- ✓ Very stable surface to carry many floor finishes
- ✓ Document E compliant (England & Wales), Section 5 compliant (Scotland), Part G compliant (Northern Ireland)
- ✓ Can be used to form a Robust Details compliant system
- ✓ Improves Airborne acoustic performance as a flooring product
- ✓ Suitable for New Build, Change of Use and Refurbishment Projects

SUITABLE FOR:



HUSH ACOUSTICS

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