

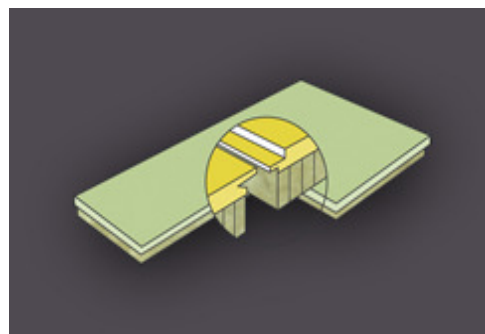
## ARC Thermal and Acoustic Lamella Floor Boards

Designed to provide both thermal and acoustic insulation for ground and intermediate floors, in both new build and refurbishment work. ARC Acoustic Lamella Floor Boards consist of high density Rockfibre mineral wool lamella strips bonded on to tongue and grooved moisture-resistant chipboard.

- Excellent thermal and acoustic insulation
- CFC and HCFC free
- Suitable for all constructions
- Will accommodate pipe runs and minor imperfections in the sub floor
- Easy to lay
- Suitable for new build and refurbishment work

The ARC Acoustic Lamella Floor Board works on the 'floating floor' principle to isolate and absorb impact and airborne sound. Rigid Rockfibre slabs are cut into strips and turned through 90 degrees so that the fibres lie at right angles to the chipboard. This gives increased resistance to compression of a slab of the same density, whilst remaining resilient to take up imperfections in the sub floor.

Available with either 18mm or 22mm chipboard bonded to insulation with a thickness ranging from 15mm to 100mm.



### Fitting Instructions

ARC Lamella boards are easy to fit and accommodate minor imperfections in the sub floor. Ideally the floor should be dry before commencing work. No mechanical fixing is required and should be laid with the joints staggered in a brick bond fashion. Leave a gap of 10mm or 2mm per metre run of floor between the perimeter wall and abutments as expansion may occur when chipboard absorbs atmospheric moisture and expands. The tongue and groove joints require gluing. The insulation can be cut away to carry services under the floor units.

### Technical Data

<b>ARC Lamella Boards:</b>		
Chipboard length 2400mm x 600mm wide x 18mm thick.		
Chipboard Conductivity 0.14 W/mk		
Insulation: Lamella Rockwool Conductivity 0.044 W/mk		
Overall Board Thickness mm	Insulation Thickness mm	Thermal Resistance R Value m <sup>2</sup> K/W
38	20	0.584
48	30	0.810
58	40	1.039
68	50	1.265
78	60	1.492
88	70	1.720
118	100	2.400

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