

# FINNJOIST INTERMEDIATE FLOOR

## 43 DB ACOUSTIC PERFORMANCE TESTING

SYSTEM  
UPDATE  
03/2012



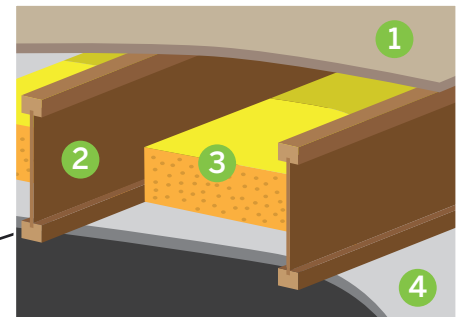
Finnframe components  
are fully CE compliant

Metsä Wood intermediate floor solution incorporating Finnjoist exceeds the 2010 Scottish Building Regulations (section 5.2.1. Noise) - acoustic requirements of 43 dB Rw.

By specifying Finnframe®, the housebuilder is able to exceed 43 dB and comply with this regulation.



### KEY ELEMENTS REQUIRED TO EXCEED 43 DB



- 22mm P5 chipboard
- 220mm deep Finnframe floor
- 100mm insulation between joists
- 15mm wallboard,

**NOTE:** DETAIL SHOWN IS TEST 274249, SEE OVERLEAF FOR ALTERNATIVE TREATMENTS TO ACHIEVE 43 DB

## KEY BENEFITS

Finnframe solution meets and also exceeds the 43dB acoustic performance regulation (Successfully tested at 44dB)





Utilises our standard minimum 220mm deep Finnjoist

Option to use insulation or resilient bar

Fully CE compliant

PEFC certified and CoC

## ACOUSTIC TEST RESULTS AND CONSTRUCTION DETAILS

TEST REPORT	TEST NUMBER	CONSTRUCTION DETAIL	R <sup>W</sup> (C; C <sub>TR</sub> ) [dB]
274249	L211-022	 <p>22mm P5 Chipboard 220 Finnjoist Resilient bar 15mm plasterboard Compliance: EN 520, Type A</p>	43 (-3;-9)
274249	L211-024	 <p>22mm P5 Chipboard 220 Finnjoist Absorbent material 100mm between joists 15mm plasterboard Compliance: EN 520, Type A</p>	44 (-2;-7)
c/03/5L/0835/1	11	 <p>18mm P5 Chipboard 240 Finnjoist 15 mm plasterboard Compliance: EN 520, Type A</p>	43 (-2;-5)
c/03/5L/0835/1	9	 <p>18mm P5 Chipboard 240 Finnjoist Absorbent material 100mm between joists 15 mm plasterboard Compliance: EN 520, Type A</p>	44 (-1;-5)



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