

PRODUCT OVERVIEW

NEW ERA SILENT PLY

New Era Acoustic Silent Ply system is a high performance, lightweight & cost effective floating floor solution for the use in all Commercial, leisure or Residential installations where the reduction of Impact sound is essential to comply with Part E.

Tested in compliance with Part E & Robust Detail It is independently tested at AIRO laboratories and meets the standards for an FFT2 Resilient cradle & batten system, ensuring you stay compliant with UK building regulations regarding impact sound isolation.

The combination of the unique New Era Acoustic cradles and Acoustibeam battens creates a "floating" effect that disconnects the floor from the structure, dampening vibrations and high level of sound isolation.

Floor Type	Wisa Spruce T&G Plywood 18 x 600 x 2400mm
Usage	Domestic, Commercial, Leisure, Hospitality
Cradles	New Era Acoustic
Acoustibeams	36mm & 48mm Acoustibeam LVL battens
Acoustibeam Centres	400mm
Cradle Centres (along Acoustibeam)	450mm (36mm batten), 600mm (48mm batten)
Floor Heights	70-365mm
Acoustic Reduction	28db
Loading	500kg per m2 Static Load & 350kg point load
Standard	Part E in compliance with Robust Detail Handbook

KEY FEATURES AND BENEFITS

- ✓ Lightweight engineered purpose designed T&G Plywood Flooring.
- ✓ Tested at AIRO Laboratory to conform with Part E & the Robust Detail Handbook in relation to 'FFT2 Resilient Cradle & batten System'
- ✓ Designed to withstand the heavy loading of commercial and light industrial environments while maintaining its acoustic integrity.
- ✓ Ideal for Residential, Commercial, Education, Leisure & Hospitality.
- ✓ Eliminates the need for expensive, slow-drying screeds, significantly shortening project timelines.
- ✓ Works with underfloor heating systems



**Cradle Calculations: 6.6 per m2 (36mm Acoustibeams) 5 per m2 (48mm Acoustibeams)

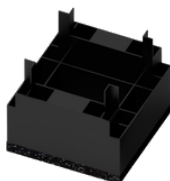
*Acoustibeam Calculations: 1.5 per m2

IMPROVED TEST RESULTS



TEST 1

Ref L/3554/2 was with the 16/30mm cradles using a 36mm batten (average floor height 74-80mm) Result was **28db sound reduction**



TEST 2

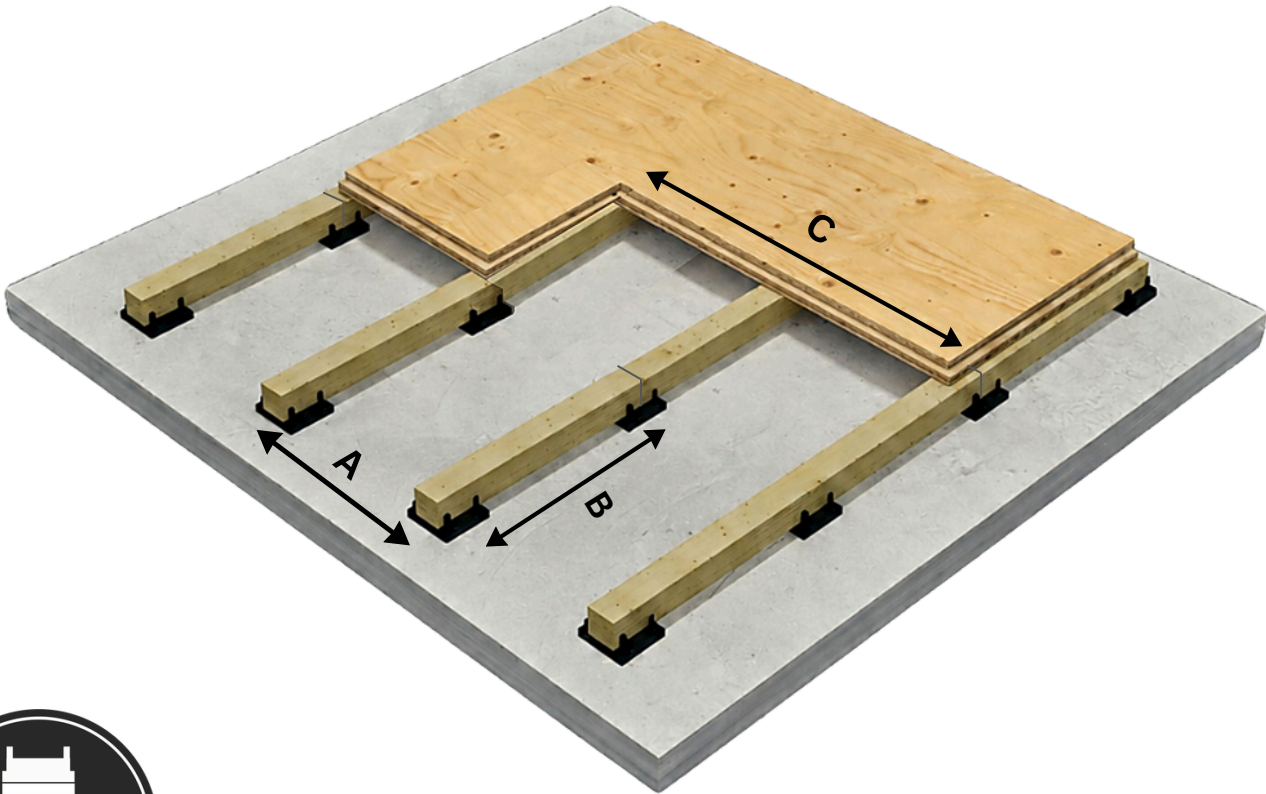
Ref L/3554/3 was with 45/60mm cradle using a 46mm batten (average floor height 136-138mm) Result was **29db sound reduction**




The New Era acoustic cradle was tested at AIRO on the 27th April 2022 for impact sound insulation for compliance with Robust Details Ltd requirements as stipulated in the Robust Detail Handbook for FFT2 Resilient Cradle and batten system.

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QUIET PLANK ACOUSTIBEAM & CRADLE LAYOUT



 The silent ply system were tested at AIRO on the 27th April 2022 for impact sound reduction in compliance with Part E as stipulated in the Robust Detail Handbook for FFT2 Resilient Cradle and batten system.

Silent Ply set out		A	B	C
Acoustibeam Size	36mm	Acoustibeams 400mm	Cradles 450mm	Plywood 1200mm
	48mm	Acoustibeams 400mm	Cradles 600mm	Plywood 1200mm
Layout >		Floor Stagger >		

Note: All Acoustibeams must be staggered centrally on a cradle to ensure floor is tied together