

## PRODUCT OVERVIEW

# NEW ERA QUIET PLANK

New Era Acoustic Quiet Plank system is a high-density T&G Gypsum floor with low deflection and a high thermal conductivity making it ideal for use as a screed replacement alternative. Can be used for Commercial, leisure or Residential installations where the reduction of Impact sound is essential to comply with Part E.

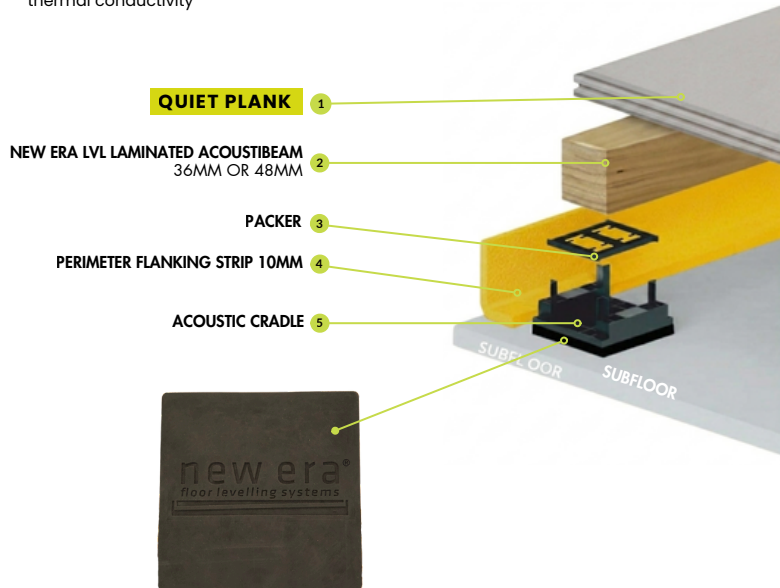
The Quiet plank system has been tested in compliance with Part E & Robust Detail and meets the standards for an FFT2 Resilient cradle & batten system, ensuring you stay compliant with UK building regulations regarding impact sound isolation.

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 has a high level of sound isolation.

<b>Floor Type</b>	Gypsum High Density T&G floor 25 x 600 x 1200mm
<b>Usage</b>	Domestic, Commercial, Leisure, Hospitality
<b>Cradles</b>	New Era Acoustic
<b>Acoustibeam</b>	36mm & 48mm Acoustibeam LVL battens
<b>Acoustibeam Centres</b>	400mm
<b>Cradle Centres (along Acoustibeam)</b>	450mm (36mm batten), 600mm (48mm batten)
<b>Floor Heights</b>	77-372mm
<b>Acoustic Reduction</b>	28db
<b>Loading</b>	500kg per m2 Static Load & 350kg point load
<b>Standard</b>	Part E in compliance with Robust Detail Handbook

## KEY FEATURES AND BENEFITS

- ✓ Heavy Weight high density T&G board with low deflection and high thermal conductivity.
- ✓ Tested 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.
- ✓ Due to the low deflection Quiet Plank is suitable for all floor covering, including ceramic tiles and stone.
- ✓ Compatible with underfloor heating systems and offers high thermal conductivity



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

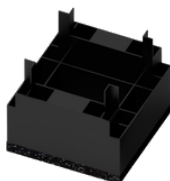
\*Acoustibeam Calculations: 1.5 per m2

## 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

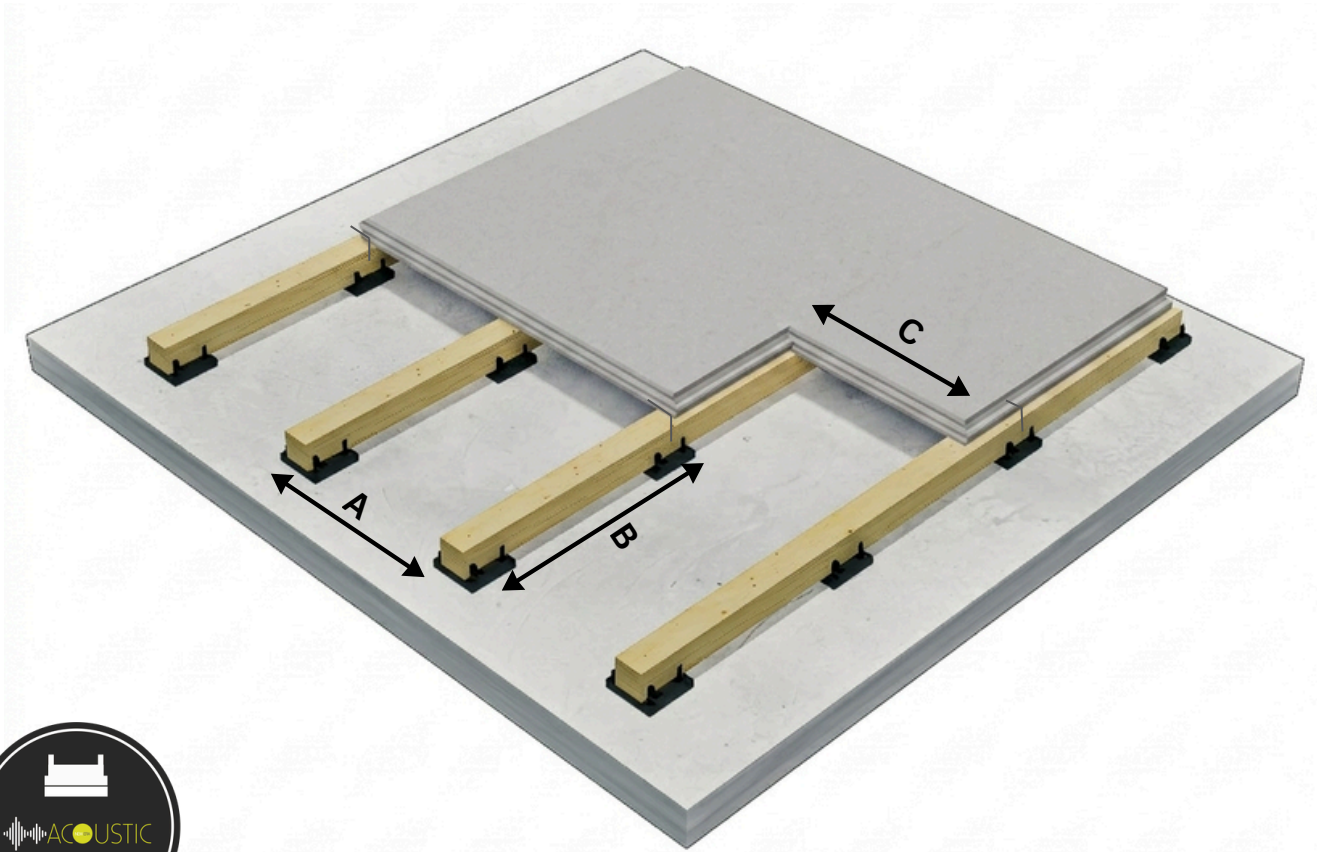
Ref L/3554/3 was with 45/60mm cradle using a 46mm batten (average floor height 136-138mm) Result was **29db sound reduction**



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



Quiet Plank set out

Acoustibeam Size

		A	B	C	
36mm	Layout >	Acoustibeams 400mm	Cradles 450mm	Floor Stagger >	Quiet Plank 600mm
48mm		Acoustibeams 400mm	Cradles 600mm		Plywood 600mm

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