

# Acoustic Batten Strip Product Data

<b>Description:</b>	Acoustic Batten Strip is designed and tuned to separate rigid materials in new build flooring installations or retrofit spaces and conversions. The strip provides a high level of decoupling allowing upper floor materials to 'float' above structural flooring, greatly reducing the transmission of sound and vibration between floor layers.
<b>Dimensions:</b>	2500mm x 46mm x 10mm
<b>Weight:</b>	400g
<b>Features and Benefits:</b>	<p><b>Excellent Performance</b> - Up to 26dB reduction in impact sound on a concrete floor.</p> <p><b>UK designed and manufactured</b> - Designed and manufactured in the UK</p> <p><b>Consistent Tolerance</b> - Strict QA and QC measures ensure a consistent thickness and density for a quality product.</p> <p><b>Engineered Density</b> - iKoustic's Batten Strip has been designed and tuned to the ideal density to provide maximum performance without deforming or losing form over time.</p> <p><b>Easy to Install</b> - One side of the Acoustic Batten Strip contains a self adhesive layer. The product can be installed simply by peeling off the backing and applying to the base of the timber or metal battens.</p> <p><b>High Performance</b> - The product has been installed in numerous projects and tested in according to all relevant BS and ISO Standards via UKAS Accredited acoustic engineers.</p> <p><b>Environmentally Conscious</b> - The rubber isolation in the product is manufactured from 100% recycled material.</p>



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## Product Data

### Typical Physical Properties:

Attribute and Test Method:	Specification: (Based on typical performance)
Widths available	46mm
Product format	Strips / Coils
Roll Length	2500mm
Nominal Weight Standard Manufacturing tolerances are +/- 10%	7.5kg/m <sup>2</sup>
Nominal Density Standard Manufacturing tolerances are +/- 10%	750kg/m <sup>3</sup>
Nominal Thickness Standard Manufacturing tolerances are +/- 10%	10mm
Acoustic Rating BS EN ISO 717-2:2013	ΔLw 26dB
Thermal Conductivity	0.113 W/mK
Thermal Resistance	0.094 m <sup>2</sup> K/W
Temperature Stability *Excluding Adhesive Layer	-35°C to 100°C
Compression Loads  Loss over 10 Years	10kN/m <sup>2</sup> = 7%  15kN/m <sup>2</sup> = 10.6%  20kN/m <sup>2</sup> = 14.3%
Recycled Content	92%

### Sustainability and Recycling:

Here at iKoustic we are committed to reducing our environmental impact, using recycled materials wherever possible within our products. Acoustic Batten Strip is manufactured using sustainable, recycled raw materials.

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## Test Data

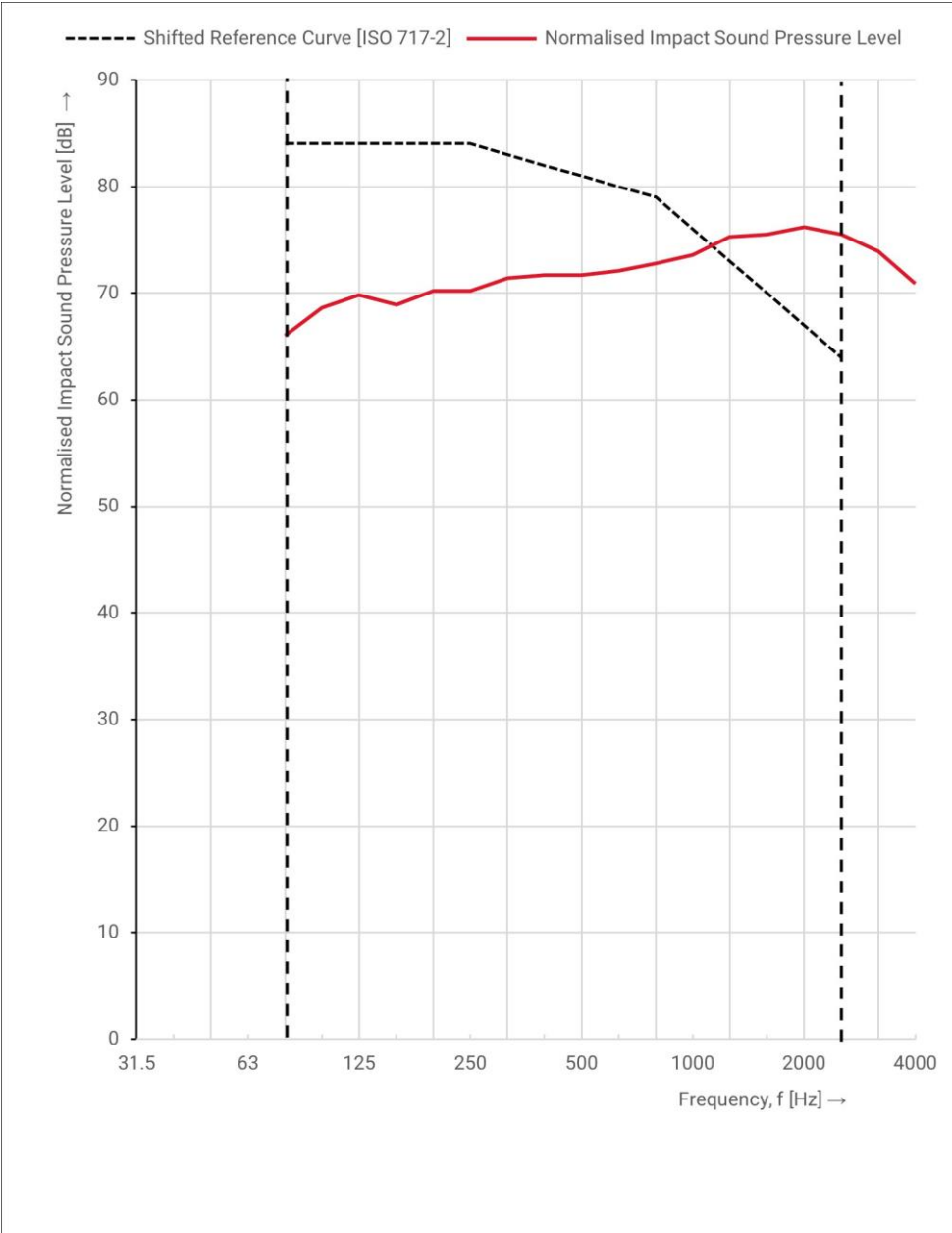
Acoustic testing according to: BS ISO 10140-3 :2010, Impact sound measurement on a concrete floor.

Rating according to BS EN ISO 717-2:2013

*Untreated Floor*  
 **$L_{n,w} (CI) = 82 (-13) \text{ dB}$**

Evaluation based on laboratory measurement results obtained in one third octave bands via an engineering method

Frequency (f) [Hz]	Normalised Impact SPL dB
50	57.3
63	65.6
80	62.5
100	66
125	68.6
160	69.8
200	68.9
250	70.2
315	70.2
400	71.4
500	71.7
630	71.7
800	72.1
1000	72.8
1250	73.6
1600	75.3
2000	75.5
2500	76.2
3150	75.5
4000	73.9
5000	70.9
6300	66.8
8000	59.9
10,000	51.4



This data is for general information only, no guarentee is given or implied. Date of issue: 11/10/2021

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## Test Data

Acoustic testing according to: BS ISO 10140-3 :2010, Impact sound measurement on a concrete floor.

Rating according to BS EN ISO 717-2:2013

*Treated Floor*  
**Ln,w (CI) = 56 (1) dB**

Evaluation based on laboratory measurement results obtained in one third octave bands via an engineering method

Frequency (f) [Hz]	Normalised Impact SPL dB
50	53.4
63	64.1
80	64.8
100	65.9
125	66.8
160	64.9
200	62.2
250	60
315	56.9
400	55.2
500	52.8
630	47.9
800	42.6
1000	40.1
1250	36.9
1600	35.3
2000	31.2
2500	28
3150	23.3
4000	18.4
5000	14.6
6300	14.9
8000	16.1
10,000	16.7

