

# DURABELLA

## DATASHEET

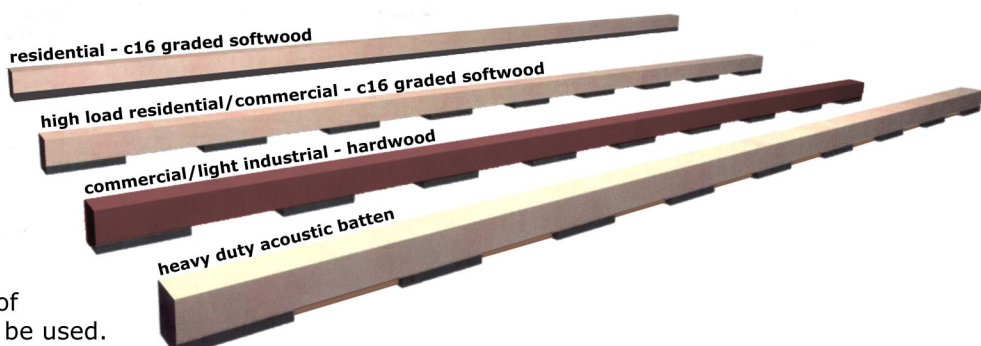
R.S.2.1.

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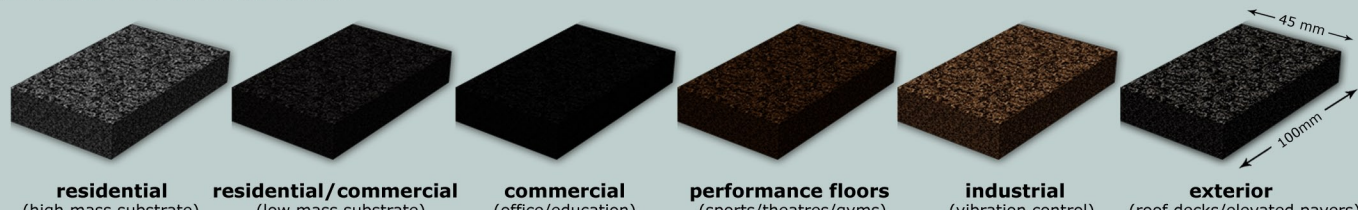
The Durabella Westbourne Acoustic Batten system is an effective solution when dealing with acoustic control for intermediate floors in new-build and refurbishment projects.

The resilient battens rest on the sub-base and isolate the floor from the building structure. The battens are designed to resist compression under load whilst providing a continuing level of sound insulation.

The Durabella Acoustic Batten system is used on floors which have a reasonable flat and level surface tolerance. For out of level surfaces, the cradle system should be used.



It is important to note that the various applications utilise different isolators to accommodate end-user requirements. Isolators are available in 10mm and 20mm.



Test data is available from our Technical Department for guidance when specifying Durabella Acoustic system applications. In the interest of acoustic control, Durabella would always recommend on-site testing, particularly when dealing with joisted timber structures. On-site testing would give site specific certification and proof of performance, ensuring that the correct system configuration has been chosen. On-site testing at an early stage can also give the opportunity to identify and indeed rectify any problems should they occur, which would otherwise go unnoticed.

The system uses 400mm batten centres with 18mm chipboard/plywood and 600mm centres when using 22mm overlay boards. Hardwood and engineered boards can be used with Durabella Batten Systems; the batten spacing will depend on the manufacturer's recommendations. All Durabella battens are 46mm wide and supplied in 1.8 metre lengths; batten size will depend on the finish floor height required.

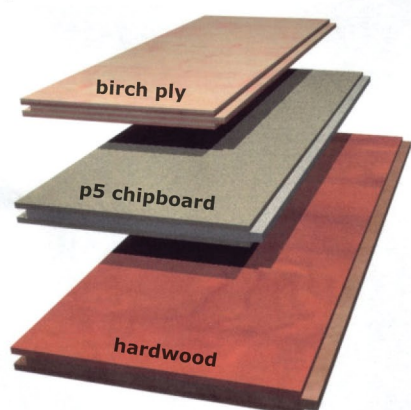
### BATTEN SPACING

The system, using the 450mm and 600mm batten spacing specification, exceeds the static load requirements for housing to BS 6399: Part 1: 1984 of 1.5kN/m<sup>2</sup> distributed load and 1.4kN concentrated load, without undue deflection. The spacing for the various board materials is shown on the Batten Spacing Table.

Board Material	Board Thickness (mm)	Board Spacing (mm)
Chipboard	18	400 / 450
Chipboard	22	600
Plywood	18	400 / 450
Hardwood Strip	as specified	as specified

### FINISHED FLOOR DEPTH EXAMPLE

Finished Floor Depth (mm)	Board Thickness Various (mm)	Batten Thickness including Foam (mm)
33	18	15
48	18	30
53	18	35
58	18	40
63	18	45
68	18	50
73	18	55



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Durabella has been structured to deliver a total service capability to ensure our professional excellence and your peace of mind throughout our operation.

We offer a supply only service or an all encompassing design and installation service with a fully experienced team to carry out on-site laser level surveys and provide detailed quotations, ensuring that material call-offs and calculations are correct.

Durabella offer a national supply and installation service, ensuring a quality and trouble free installation.



### WESTBOURNE BATTEN LAYING PROCEDURE

