TECHNICAL DATA SHEET

MCW Timber Range - Wall Panel

MCW Timber Wall Panels are designed to reduce noise levels by speakers, music and other sounds. These perforated wood panels decrease sound reverberation within a room/building to prevent sound from disturbing adjoining rooms. Our timber panelled systems are uniquely perforated allowing them to absorb and centralise sound waves.

There is also a high impact variant available for sports hall environments and is available in a range of options.

Key Benefits

- Up to Class A Absorption (depending on perforations and thickness)
- 50mm or 200mm Thickness
- Choice of 20 colours & Various Finishes
- Six standard arrangements available

Applications

MCW Timber Wall Panels are suited to most applications including Reception Areas, Schools, Lecture Theatres, Atriums, Studios, Offices and Commercial Buildings.

Channel Way Business Park -

Preston - PR2 2YA

T: 0330 056 3195

8:30am—5:00pm Monday - Friday

E: :sales@mcw-acousticsupplies.co.uk

W: mcw-acousticsupplies.co.uk

Design your space

Our experienced team can support consultants, architects and contractors with practical advice on reverberation control. Acoustic surveys and indicative reverberation-time assessments can also be provided to help the selected design achieve its intended specification and performance.

Surface finish and colour

Timber slats are available with a wide choice of finishes, including real-wood veneers, wood-print laminates, solid-colour laminates and painted finishes matched to RAL or NCS colour palettes. Solid real-wood options are also available.

Available wood finishes

Surface design

Six standard modular arrangements are available. Because the panels are manufactured in the UK, MCW can work with designers and architects to develop bespoke patterns. Where components are supplied individually, the installer may set the slat centres to suit the design, providing additional flexibility.

Standard arrangements and acoustic performance

Performance is shown for two overall build-up depths: 200 mm and 50 mm.

Arrangement 01 - 20/45/25

Open area: 36%

Total thickness	αw	Absorption class	NRC
200 mm	0.85	B	0.92
50 mm	0.80	B	0.78

Arrangement 02 - 25/25/25

Open area: 50%

Total thickness	αw	Absorption class	NRC
200 mm	0.85	B	0.94
50 mm	0.82	B	0.90

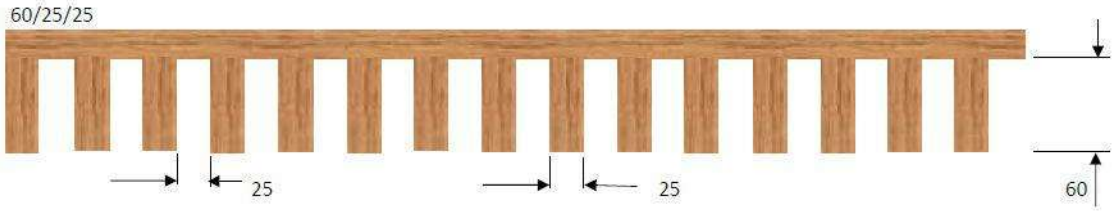
Standard arrangements and acoustic performance

Arrangement 03 - 20/60/30

Open area: 33%

Total thickness	αw	Absorption class	NRC
200 mm	0.75	B	0.87
50 mm	0.70	B	0.85

Arrangement 04 - 60/25/25
Open area: 50%

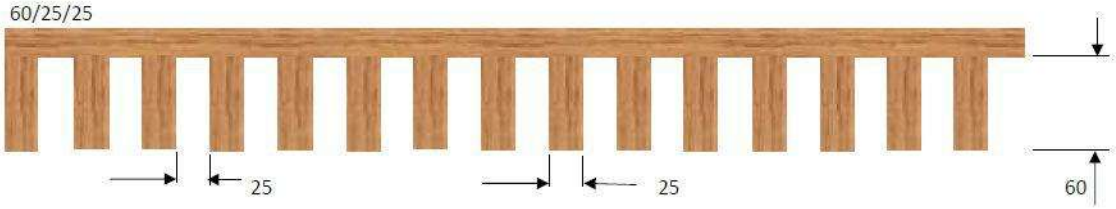


Total thickness	αw	Absorption class	NRC
200 mm	0.85	B	0.92
50 mm	0.80	B	0.78

Arrangement 05 - 90/25/50
Open area: 66%

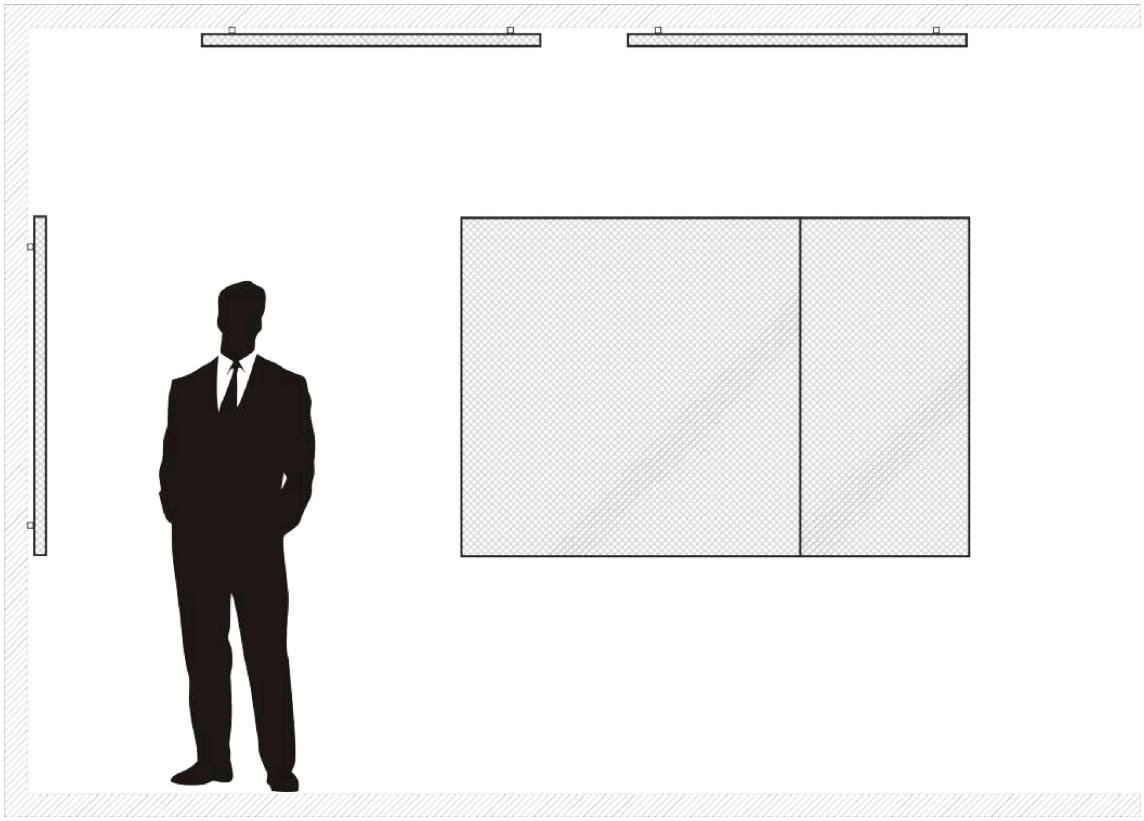
Total thickness	αw	Absorption class	NRC
200 mm	0.95	A	0.95
50 mm	0.90	A	0.93

Arrangement 06 - 60/25/25
Open area: 50%



Total thickness	αw	Absorption class	NRC
200 mm	0.85	B	0.92
50 mm	0.80	B	0.78

System overview



Care and maintenance

MCW Timber Wall Panels are straightforward to maintain. Clean surfaces only with non-abrasive products suitable for the selected timber veneer or finish. A full maintenance manual is available on request.

Working temperature and humidity

Do not install the panels until all wet works are complete and the building is dry. The panels are intended for storage and installation under standard occupied conditions between 18°C and 30°C, with relative humidity maintained between 35% and 60%.

Fire performance

The standard panels described in the source information achieve BS 476 Class 3. Options may be available to meet the requirements of BS 476 Part 6 and Part 7:1987 for Class 1 and Class 0 surface spread of flame, subject to minimum order quantities, specification and lead time. Current supporting certification must be confirmed before specification or purchase.

Availability

Standard modular arrangements and bespoke layouts are available. Please contact MCW Acoustic Supplies to confirm finish availability, minimum order quantities and current manufacturing lead times.

Specification note: Acoustic and fire-performance values have been reproduced from the supplied source datasheet. Confirm the proposed construction, test evidence and current certification with MCW before issue.