

Sound-isolating music practice rooms for education, home and recording

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Technical information

MusicPracticeRooms.com 'Classic'

Size

- Many size options are available; can accommodate anything from a solo musician to a large group/band or choir
- Typical internal ceiling height is 2300mm

Performance

- Typical sound insulation performance:
 - o Room to corridor would be circa $D_nT,w41dB$. Room to room would be circa $D_nT,w54dB$
 - o Third octave band sound transmission losses available on request, tested in accordance with ISO 140/4

Flexibility

- Modular panel design provides a large selection of different size rooms
- Easy re-location or size adjustment of existing rooms

Construction

- Modular 100mm thick panels are secured with full length 'C' or 'L' clip fixings
- Acoustically sealed base channel controls wall panel placement. Neoprene seals to the base of all MPR walls assist with the elimination of structure borne sound transfer
- Panel comprises of 1mm gauge solid steel outer skin and 0.7mm gauge perforated steel inner skin
- Powder coated panel finish. Light grey outer/satin white inner
- Ceiling panels are secured using an interlocking tongue and groove joint arrangement
- Typical panel weight would be nominally $32kgs/m^2$
- Solid skin internal surfaces exist at all corner, power panel and inlet/extract ventilation panel locations
- Single leaf personnel acoustic engineered door is $\frac{3}{4}$ length. Centrally located vision panel, locking hardware and internal thumb turn override. Steel construction with acoustic seals. Shallow 33mm threshold can be negotiated for wheelchair access
- Glazed acoustically engineered windows are available, for control room purposes, observation, security or to provide natural light

Ventilation

- Integral fan unit and vertical attenuated duct for extract air, and attenuated vertical duct for inlet air
- Nominally 4No air changes per hour will be achieved using a scavenge ventilation system, on the basis of providing 8 litres/ sec per individual (room size dependent)
- Acoustically isolated HVAC connections are also available

Lighting

- Surface fixed lighting would comprise high frequency fluorescent unit/s controllable from wall mounted switching, an RCD, and emergency light fitted as standard

Electrical components

- Three compartment, wall-mounted dado trunking is installed around each room. MusicPracticeRooms.com utilise only the central compartment, leaving two compartments free for use by the client for data, audio, midi cabling etc. This can lessen the amount of cabling run across the floor, reducing the risk of trip hazards
- Double socket outlets installed in dado trunking (quantity and location to suit room size or as directed by the client)
- Ceiling mounted, high frequency, fluorescent lightings (quantity to suit room size)
- Alternative lighting arrangements (wall mounted, dimmable etc) are available if required
- Bulkhead emergency light unit fitted internally above the door as standard to provide exit illumination in the event of a total power failure
- Incoming supply is switched through a 2-way electrical consumer unit, which provides individual switching for lighting and power circuits and safety isolation trips
- Ancillary items such as telephone sockets and data points can be incorporated into the dado trunking if required
- Additional safety items such as fire alarm detectors, sounders and strobe lights can be installed within the rooms (additional works by incumbent suppliers may be required)

Installation requirements

- Minimum clearance over room height is 150mm
- Minimum spacing of 50mm from walls and 250mm from adjacent MPR's
- Supporting floor structures will accommodate the room loadings, be flat, level and true
- Floor level tolerance provides a minimum flat and level surface of 3mm over 1000mm
- Ventilation of the room where the MPR is located is required
- Installation service (if required) demands room to be cleared of furniture prior to the arrival of our installation team
- Site inspection carried out by our Acoustic Engineer and acoustically trained staff, before delivery/installation schedule is agreed

Options and additions

- Closure panels between and around MPR's
- Glazed acoustically engineered windows available for control room purposes, observation, security or to provide natural light
- Rooms come with electrical sockets as standard. Additional sockets, data points etc are available within three-compartment dado trunking
- Rooms come with sound isolating floating floors as standard
- Sound limiting devices available for fitting in accordance with BB93 and/or Health and Safety requirements