



## MUSIC PRACTICE ROOMS

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**IAC Music Practice Rooms** provide an ideal environment for playing musical instruments and developing singing skills. They enable students to rehearse without disturbing others nearby. They also allow teachers to concentrate on their students without being distracted by other instrument rehearsals in adjoining rooms.

Already supplied to many of the UK's top performing arts conservatoires, colleges and schools, IAC rooms are fast and easy to build - a room can be installed in less than a day. Available in a wide variety of sizes, rooms can be customised to fit into most spaces. They can be dismantled and moved and subsequently be made larger or smaller. They can also be installed in old, new and even portable buildings, usually on any floor (subject to structural loading capacity).

- Acoustically rated Rw40 (modular room to modular room: Rw57)
- Rapid Assembly
- Clean and neat appearance
- Tough, durable construction, with washable surfaces
- Internal fabric lining available on request
- Integral ventilation, lighting and electrical system
- Steel acoustic door with viewing panel and either painted or wood veneer finish
- All rooms demountable and moveable
- Full colour choice for painted finish, within a standard RAL range
- Complete installation service

### CLIENTS INCLUDE:

Royal Academy of Music  
Kings College, London  
Royal Northern College of Music  
Emanuel School, London  
Queen Margaret's School, York

Brighton College of Technology  
City University, London  
New College, Bromsgrove  
Warren School, Essex  
Sevenoaks School, Kent



## SPECIFICATION FOR IAC MUSIC PRACTICE ROOMS

### Construction

IAC's music practice rooms are constructed from modular acoustic panels, typically 600 wide and 100mm thick. No framework is needed to support the panels. "H-Joiners" simply butt and join the panels together. This method of assembly makes the IAC music practice rooms very quick to erect and dismantle, the rooms have a clean, neat appearance.

**Panel Construction:** A 1.2mm thick galvanised sheet steel tray contains 100mm thick non-combustible, acoustic infill, which is retained by either a plain (refelected) or perforated (absorptive) sheet steel facing.

**Door(s):** Are from the IAC Noise-Lock range and incorporate a glazed vision panel. They are constructed from steel face sheets with welded steel frames and internal reinforcing sections. The sides and head of the door and frame have two (2) sets of self-aligning magnetic compression seals and the doors' bevelled floor threshold is fitted with double compression seals. Standard furniture comprises two (2) push/pull handles, two (2) hinges and an optional door closer, all with a satin anodised aluminium finish. Doors contain an acoustically absorptive infill (as used in modular panels, above).

### Ventilation

IAC music practice rooms are equipped with an integral IAC Tranquil-Aire, all-in-one ventilation system which provides air circulation of up to 25 litres/second. The system is fitted with 175mm thick ventilation panels which have an acoustically designed labyrinth passage for air movement. The acoustic rating of the vent system is comparable to that of the room structure. Operation is by means of a speed controller.

### Electrics

Rooms are fitted with recessed fluorescent lights with diffuser as standard. Other lighting is available on request. A 2/3 compartment dado trunking rail is fitted within the room with up to four (4) double three pin power sockets. An audible/visual fire beacon is also included (for wiring and commissioning by a qualified specialist). The mains installation terminates at an RCD isolator adjacent to the door.

### Finish

All room surfaces (walls, ceiling etc) have a Polyester Powder Coat (PPC) finish, chosen from the RAL colour range.

### Acoustic Performance

Typical Field Test results for IAC Music Practice Rooms appear below.

Table 1 - Acoustic Performance of IAC Music Practice Rooms									
Ventilation Noise Rating	NR 30 maximum								
Reverberation Time	Typically 0.5 secs, but can be adjusted by the use of optional extra tuner panels								
Noise Reduction									
Frequency Hz	63	125	250	500	1K	2K	4K	8K	Rw
Reduction dB	19	20	30	37	47	52	55	55	40
Noise Reduction Modular Room to Modular Room*	20	32	47	63	72	80	84	78	57
Sound Reduction Model 42 Timber Door	21	27	29	34	33	37	38	40	35
Sound Transmission Loss Model 51 Steel Door	20	27	46	50	52	52	58	63	51

\*Testing was conducted under laboratory conditions. Figures may vary slightly depending upon field conditions and flanking paths may prevent the above figures being achieved fully.

### Installation

A full installation service is available. Alternatively, clients may assemble their own rooms using printed, step-by-step instructions.

### Optional Extras

- Studio Specification Windows for control/live room environments
- Floating Floor
- Full Air Conditioning System
- Floor Coverings (carpet, etc)
- Loose/moveable Tuner Panels
- Additional Door(s)
- Alternative Door Furniture
- Alternative Decorative Finishes

## OTHER IAC ACOUSTIC STRUCTURES AND PRODUCTS



Modular studios, control/editing rooms and voice-booths



Noise-Lock® acoustic doors, windows and wall linings



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