

Acoustic Doors



Quality
Endorsed
Company
ISO 9001 Lic 7683

Acran acoustic doors are designed, manufactured and installed in a variety of applications throughout Australia. Acran's versatile design and manufacturing capabilities allow for everything from a standard bulkhead door to large multiple leaf industrial and commercial doors.

Acran acoustic doors are manufactured to meet the specific requirements of each project. Each frame and door assembly is designed to provide the most economical method of achieving the required transmission loss while providing an assembly to match the surrounding architecture.

The doors can be provided with various options including specific locking, sealing and hinging arrangements.

Applications

- Personnel access doors
- Machine rooms and enclosures
- Water treatment & pumping stations
- Cinemas, concert halls
- Film, television and music studios
- Audiometric rooms, acoustic laboratories
- Control rooms
- Manufacturing buildings

Benefits

- Guaranteed Performance - tested to Australian Standards
- Complete size flexibility
- Door jamb designed for both build-in or retrofit installations
- Choice of finishes
- Full range of hardware
- Acoustic seals for superior performance
- Rugged construction for long life and low maintenance

ACRAN

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Acran acoustic doors can be manufactured to suit any application or special opening requirement. Special consideration is given to the architectural requirements of the doors in order to provide a system to compliment the building facade.

Acran's standard range of acoustic doors include single leaf doors to meet STC 50 and double leaf doors to meet STC 45.

Standard Build and Finish

The standard Acran door and door frame is manufactured from galvabond. The door is filled with an inert non combustible vermin proof acoustic absorber and is fitted with standard door hardware.

Standard bulkhead doors fitted with positive action seals are suitable for personnel access where a flat door threshold is not required. The doors provide an air tight seal which is also suitable for pressurised plenums and air conditioning systems.



Available Options

Acran acoustic doors can be manufactured with a wide range of options including viewing panels rated in accordance with the door performance, lift off hinges, two way door handles, panic hardware and powered mechanisms. These options are available on all Acran doors. Where the doors require greater strength the sub frame and heavy duty door frame. The more robust built ensures the door remains rigid and effective when exposed to extremely harsh conditions or rough treatment.

If space restrictions apply, Acran can manufacture an acoustic sliding door to retract either horizontally or vertically.



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Performance Testing

All Acran acoustic louvres are tested in accordance with:

- AS 1191 - 2002 Method for laboratory measurement of airborne sound transmission loss of building elements.
- AS 1276 - 1999 Methods for determination of sound transmission class and noise isolation class of building partitions.



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