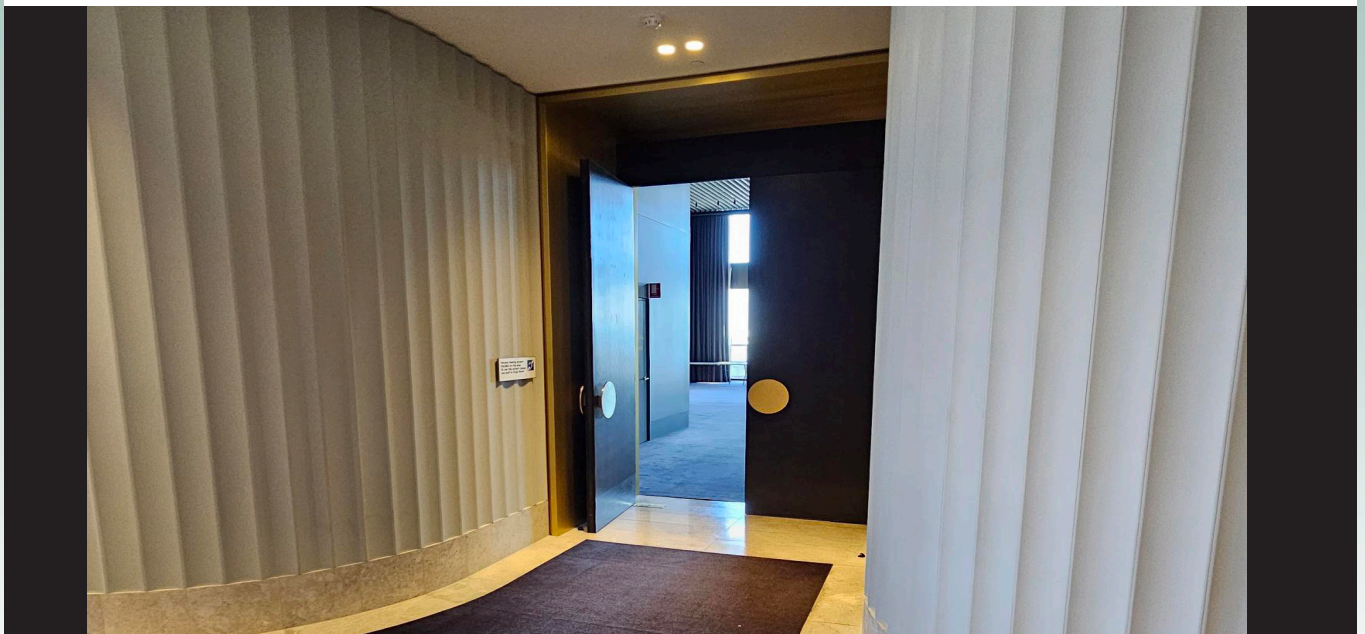


Inspired
solutions.



High Performance Acoustic Doors



High Performance Acoustic Doors

Quiet Has Never Looked So Good

Looking for a proven door solution that prioritises acoustic performance without compromising on design? Our suite of doors have been designed, developed, and produced with performance in mind.

This means minimal noise, minimal weight, and maximum style. Backed by lab testing, high RW ratings, and a completely customisable range of solutions, our high performance doors are perfect for a wide range of industries including healthcare, residential, commercial, and more. Meet the Acoulite, Acoulite Plus, RW 40, RW 42, RW 45, RW 47, and RW 51 acoustic door range.

The original Acoulite and Acoulite Plus range were developed to deliver a solution that is lightweight, flexible in size and finish, while offering the best acoustic barrier possible. On a partition door of 2700mm, the Acoulite composite core achieves a weight reduction of 17kgs compared to traditional solidcore doors. Meaning the range is as light as it is effective.

Our Acoulite Plus doors take everything outstanding about the Acoulite range and amplifies it. With an extra layer of metal behind each face, the doors deliver a remarkable resistance to sound.

Acoulite Benefits at a Glance

- Lab tested by the prestigious University of Adelaide, in accordance with top acoustic performance standards.
- High RW rating across the entire High End Acoustic Door range, ranging from RW 30 to RW 51.
- Full utilisation of our advanced X3 seal technology.
- Custom manufacturing to meet specific project requirements.
- Wide range of veneers and finishes to choose from.

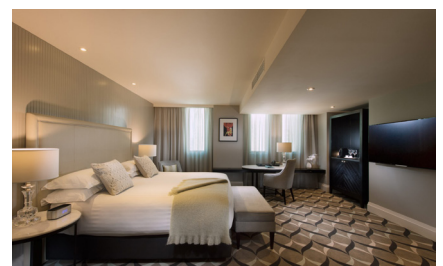
Notable Projects



Skycity Adelaide



88 O'Connell



Mayfair Hotel

Product Overview

Quality
Quiet
Qualified

Lab Tested by the University of Adelaide

Choosing Studform High End Acoustic Doors means choosing quality and peace of mind. To ensure this, we guarantee our doors are routinely tested by the prestigious University of Adelaide. The testing conducted is NATA (National Association of Testing Authorities) approved in accordance with ISO 10140-2:2021 Acoustics requirements. The tests themselves measure sound insulation of building elements and measurements of airborne sound insulation. So when we say high performance and low noise, we mean it.

High RW Ratings Across the Range

The Acoulite and Acoulite Plus range feature some of the highest RW ratings (Weighted Sound Reduction Index Ratings) available on the market. The acoustic performance levels on our doors generally range from RW 30 to RW 52, although the exact RW rating is dependent on the specific requirements for your project. For instance, we can achieve RW 40 in a security or defence door with aluminium partition suites, while our acoustic doors are able to achieve a high rating of RW 52 on a single-leaf timber door with a steel frame. Our standard high end offering is a Timber Door into a Steel Frame.

RW 40 Security Door and Frame

Studform has expanded its range of high-end acoustic doors, with the introduction of a specialised security doors with a rating of RW 40 - specifically designed for the defence industry. This innovative door combines robust security with exceptional acoustic performance, making it a standout solution for environments where both safety and soundproofing are crucial. The integration of an aluminium partition acoustic door into this security door is a unique achievement, offering unmatched protection and privacy for important meetings, conferences and more.

RW 40 Integrated Door and Aluminium Partition Door Set

Our acoustic door range includes an RW 40 rated door and seal set, perfectly designed to integrate with the Corporate Series partition suite. This versatile solution is compatible with 64mm, 76mm, and 92mm framing suites, allowing architects to maintain a consistent aesthetic throughout a fit-out while delivering superior acoustic performance. This combination ensures that the high-level soundproofing needs are met without compromising on the visual harmony of the interior design.

Advanced X3 Seal Provisioning

Soundproofing doesn't just stop at the doors themselves, a large amount of time has been invested into producing our X3 seal solution. These specialised seals - including a bottom seal - expand both downwards and sideways from the door to fill gaps that are otherwise left exposed, enhancing acoustic performance by reducing noise even further.

Complete Custom Manufacturing

We know that every project has a completely different set of requirements, so our product range is completely bespoke to suit your individual needs and requirements. Our doors are custom-manufactured and suitable for various sectors including residential, healthcare, commercial, and defence. Are you unsure if Acoulite or Acoulite Plus is right for you? Simply get in touch with our team and we can work with you to find a unique solution to your unique problem.

Range of Veneers and Finishes

Both Acoulite and Acoulite Plus come in a wide range of veneers and finishes, completely customisable to suit any project. You can choose from both exotic and Australian veneers, including but not limited to: Rosewood, Sycamore, American White Oak, and even quality Australian Jarrah. These finishes guarantee you won't have to compromise on aesthetics to meet your project criteria.

Studform brochures also available:

- Kwikloc Seismic ceiling systems
- Kwikloc Aquatic ceiling systems
- Kwiktile Acoustic Timber ceiling tiles
- Premium ceiling tiles
- Korporate aluminium partition suite
- Satellite commercial doors
- Satellite residential doors
- Acoulite high performance acoustic doors
- Kwiklux LED light grid system



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