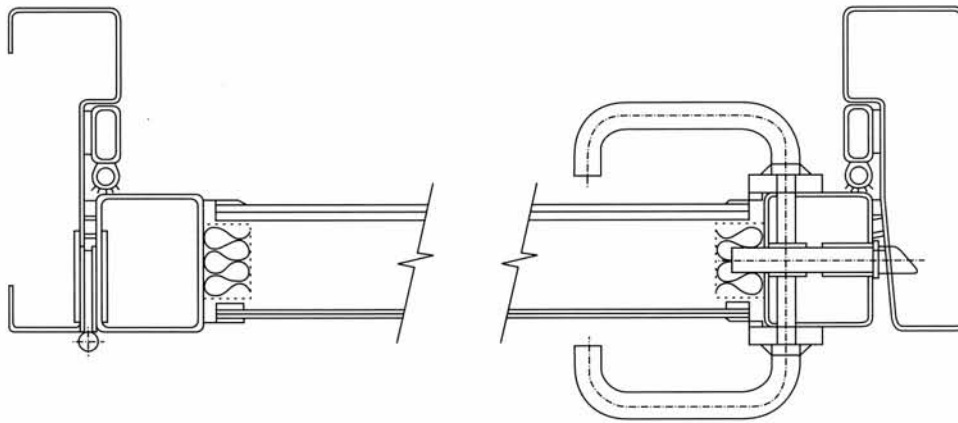


# Glazed Acoustic Doors

The NAP Silentflo Glazed Acoustic Door is based on proven operational experience of doors in audio situations, control rooms, recording rooms, rehearsal rooms and mastering facilities.

The ability to observe personnel or oncoming pedestrian traffic, whilst maintaining high acoustic performance, has made these doors an essential feature amongst the most prestigious radio stations in the country.



## Construction

A lightweight steel tube framed door leaf in a pressed metal door frame with easily replaceable double or single glazing, set at maximum airgap spacing to enhance acoustic performance. Within the door there is acoustic absorption in the reveal to prevent resonances.

The doors are lightweight, yet rigid, with minimum hinge stress and, hence, ease of operation under the most arduous conditions. Special fabrication techniques ensure maximum glazed area.

Invisible fixings and clean architectural lines ensure an appearance which is attractive and pleasing to the most discernable standards.

Double glazed doors are available, with optional glazing arrangements 10/40/6 or 8/60/4 (glass/airgap/glass), depending on performance required.

The Glazed Acoustic Door is available as :

- Single Door Sets
- Double Door Sets
- Single Glazed (STC36)
- Double Glazed (STC40)
- Sliding Door Assemblies

## Applications

- University Lecture Theatres and Examination Areas.
- AM/FM Audio, TV/Film Studios
- Music Schools, Concert Hall rehearsal areas
- Sound-sensitive Office areas
- Shopping Malls, Transportation Terminals, and Hospitals
- Laboratories, Surgeries and Test Facilities
- Convention Centres

# Glazed Acoustic Doors

## Glazing

Glazing will be to industry standards. Special toughened glass is available, subject to suitability for the application. Glazing choice will affect the door weight which, for higher performance larger items, can exceed 250kg per leaf. Potential users should note these doors will be a robust, high performance, durable feature of any prestige facility.

## Hardware

Door sets are supplied factory-fitted with hardware and include:

- Short backset latch and handles (to client requirements).
- Reinforced stainless steel ball bearing butt hinges (3 or 4 per leaf depending on leaf size and glazing arrangement); fixed or loose pin.
- Four sided adjustable acoustic seals.
- Optional acoustic door closer (heavy duty type).
- Special hardware or furniture on request.

Please note, the choice of latch will determine the overall width of the door jamb and the size of the glass panel. Choice of latch is critical if glazed area is to be maximised.

## Finishes

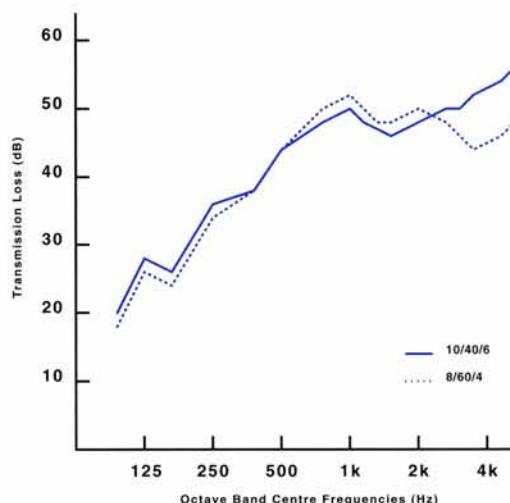
- Powder coated to your colour specification.
- Brush painted or other finishes on request.
- Black absorptive reveals.
- Optional stainless steel or anodised aluminium trims around glass.
- Reflective, non-reflective, or one-way toughened viewing glass.

## Performance

The STC rating of the door assembly is a function of the glass door overall thickness, the number of sheets of glass, the weight and thickness of each sheet. Doors are custom designed to suit the specific application or performance specification.

Proven design and known performance ensures customer and user satisfaction, and years of trouble free operation.

Performance Data for Double Glazed Acoustic Doors



NAP Silentflo is the leading designer and manufacturer of noise control equipment in the Southern Hemisphere. For further details including the range of materials, technical details and specific applications, please contact NAP Silentflo or your local representative.

[www.nap.com.au](http://www.nap.com.au)

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