

Version V5
TIMBER ACOUSTIC DOORSETS


SILENTDOOR 
Open the doors to endless possibilities

SilentDoor Rw® **TIMBER**

TIMBER SERIES

DOORSETS

Timber

Steel

Glass

Security



HELP SILENTDOOR SUPPORT NATURE

For every door you buy, we invest directly into protecting and restoring natural habitats – safeguarding wildlife, biodiversity, and the future of our planet.

“Each door makes a lasting difference for wildlife in land and our oceans.”



For every door you buy, we protect wild land and replant corals in reefs around the world.



Photo of SilentDoor Rw® 55T highlighting craftsmanship of the triple rebated system



SilentDoor Rw® T and SilentDoor Rw® Essentials

Recommended Detail



Structural soffit

100mm stud "rugby post" configuration

Double stud on hinge side

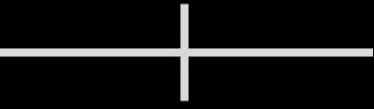
SilentDoor Rw® T or SilentDoor
Rw® Essentials Series

Structural floor

Locking Types.

The wall detail provided is for illustrative purposes only and does not constitute design advice. SilentDoor assumes no responsibility or liability for the design, adequacy, or structural integrity of the wall construction, which remains the sole responsibility of the client's appointed structural engineer.

ESSENTIAL ACOUSTIC DOORSETS



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SilentDoor Rw®

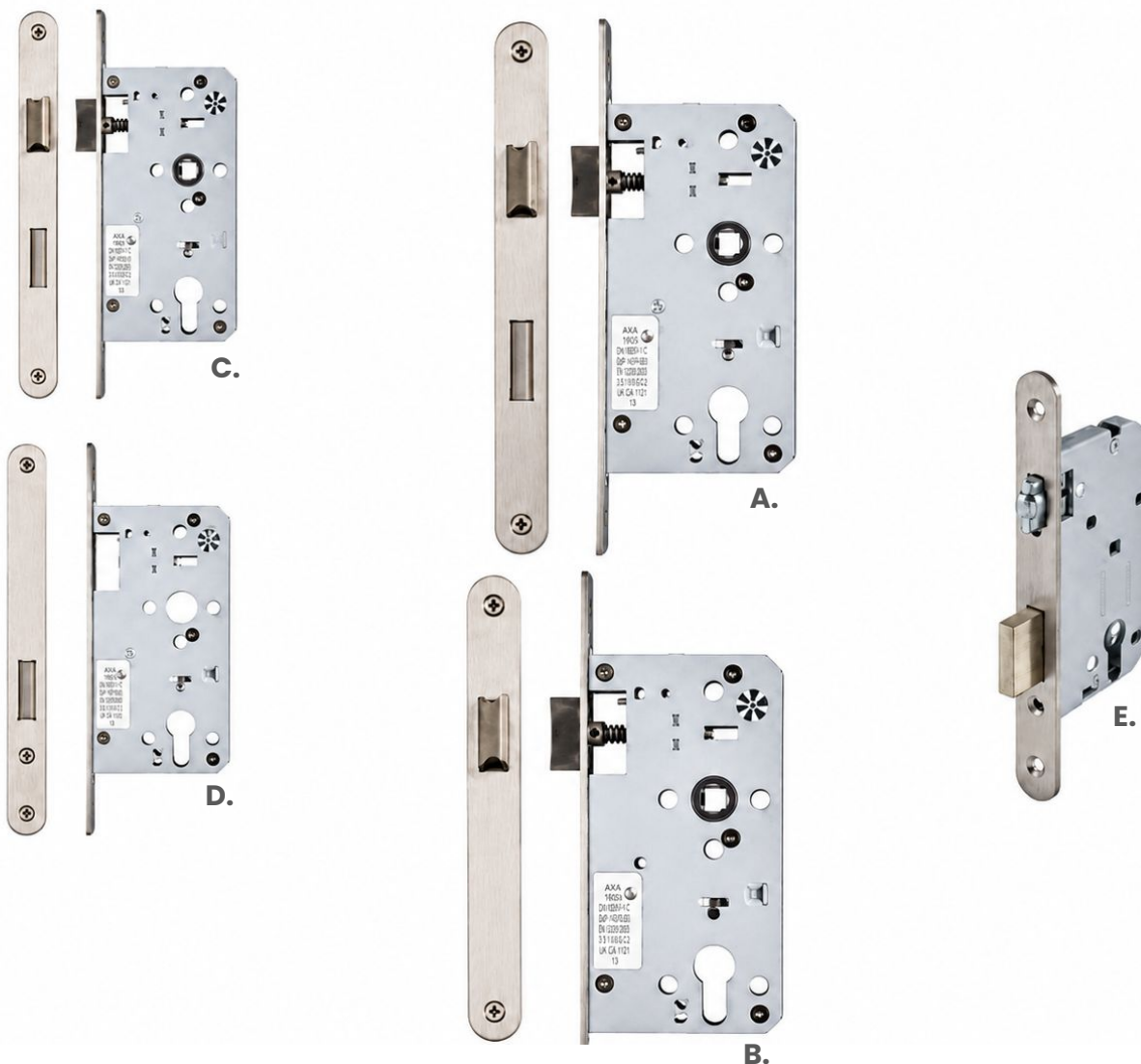
ESSENTIALS

The SilentDoor Rw® Essentials series is a cost-effective range of pre-hung acoustic doorsets designed for projects where performance and budget need to be carefully balanced. Positioned below the standard SilentDoor range, the Essentials line offers a more streamlined specification—reducing cost while still maintaining dependable acoustic and fire performance. Selected configurations are held in stock for faster turnaround, with options typically ranging from 30dB to 45dB acoustic ratings and FD30S fire resistance as standard. This makes the range ideal for straightforward applications where compliance and practicality are key, without the need for fully bespoke solutions.



SilentDoor Rw[®] Essentials Locking Types

NOTE: Every acoustic door necessitates a specific locking mechanism to guarantee both acoustic and fire protection. This locking mechanism is essential for drawing the door leaf tightly against the door frame, ensuring a secure seal. Doors that omit this feature pose the risk of inadequate sealing, jeopardising their protective and performance capabilities, which is not recommended.



Locking Types.

Lock Types for SilentDoor Rw[®] Essentials – Timber Door Sets

A	Sash Lock (Latch with Cylinder) With Lever Handle	Suitable
B	Latch Case (Only latch) With Lever Handle	Suitable
C	Bathroom Lock (Thumb Turn With Latch) With Lever Handle	Suitable
D	Deadlock (Only Cylinder) No Lever Handle	Suitable
E	Roller Lock (Roller Latch) Pull/Push Handle	Not Suitable for Fire/Acoustic Doors

SilentDoor Rw® Essentials Series

Acoustic Doorsets

Product Datasheet.

SilentDoor Rw® Essentials is available in: 30dB, 35dB, 40dB and 45dB

The SilentDoor Rw® Essentials series is designed to simplify specification and reduce costs without compromising on core performance. By focusing on the most commonly required configurations, the range removes the complexity and lead times associated with fully bespoke doorsets. Construction, finishes, and ironmongery options are standardised, allowing for greater manufacturing efficiency and consistent quality across each unit.

With selected sizes and specifications held in stock, the Essentials series is particularly well-suited to fast-paced projects where availability and budget are key drivers. Offering 30–45dB acoustic performance alongside FD30S fire resistance as standard, it provides a practical, compliant solution for everyday applications such as offices, residential developments, and commercial spaces—delivering dependable performance in a more accessible, streamlined package.

Standard Acoustic Door

Product Name	Approx Weight kg/m²	Rated	Leaf Size	Fire Rating	Vision Panel	Finish
SilentDoor Rw® Essentials 30/FD30	38 kg/m²	30dB assumed*	2010 H x 760mm L	FD30S	No	Primed
SilentDoor Rw® Essentials 35/FD30	39 kg/m²	35dB assumed*	2010 H x 760mm L	FD30S	No	Primed
SilentDoor Rw® Essentials 40/FD30	41 kg/m²	40dB assumed*	2010 H x 760mm L	FD30S	No	Primed
SilentDoor Rw® Essentials 45/FD30	46 kg/m²	45dB assumed*	2010 H x 760mm L	FD30S	No	Primed

Part M Compliant Acoustic Door

Product Name	Approx Weight kg/m²	Rated	Leaf Size	Fire Rating	Vision Panel	Finish
SilentDoor Rw® Essentials 30M/FD30 (Part M)	41 kg/m²	30dB assumed*	2010 H x 833mm L	FD30S	Yes	Primed
SilentDoor Rw® Essentials 35M/FD30 (Part M)	43 kg/m²	35dB assumed*	2010 H x 833mm L	FD30S	Yes	Primed
SilentDoor Rw® Essentials 40M/FD30 (Part M)	44 kg/m²	40dB assumed*	2010 H x 833mm L	FD30S	Yes	Primed
SilentDoor Rw® Essentials 45M/FD30 (Part M)	49 kg/m²	45dB assumed*	2010 H x 833mm L	FD30S	Yes	Primed

* **Assumed:** Performance estimated based on construction and comparable tested designs, not independently certified.

SilentDoor Rw® Essentials Series

High Performing Acoustic Doorsets

SilentDoor Rw® Essentials is a pre-hung acoustic doorset designed to deliver reliable sound reduction and fire protection for everyday applications. Engineered to achieve up-to 45dB acoustic performance and FD30S fire resistance as standard, it provides an ideal balance of safety, practicality, and value. Each doorset is factory-assembled for ease of installation and consistent performance, making it a dependable choice for offices, schools, hotels, and residential projects where essential acoustic control and fire compliance are required.

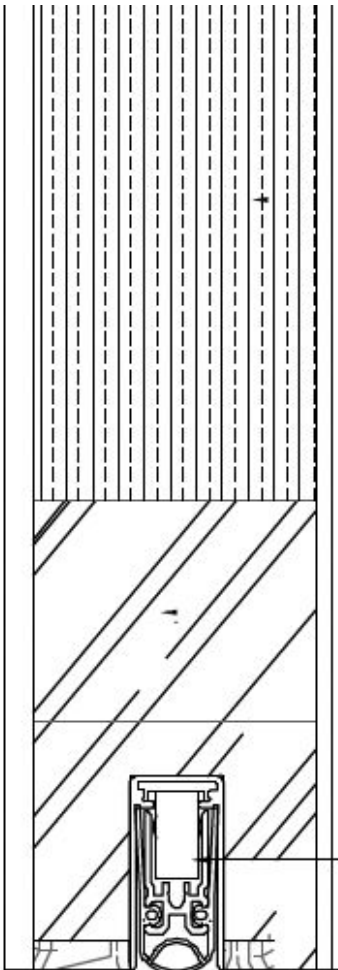
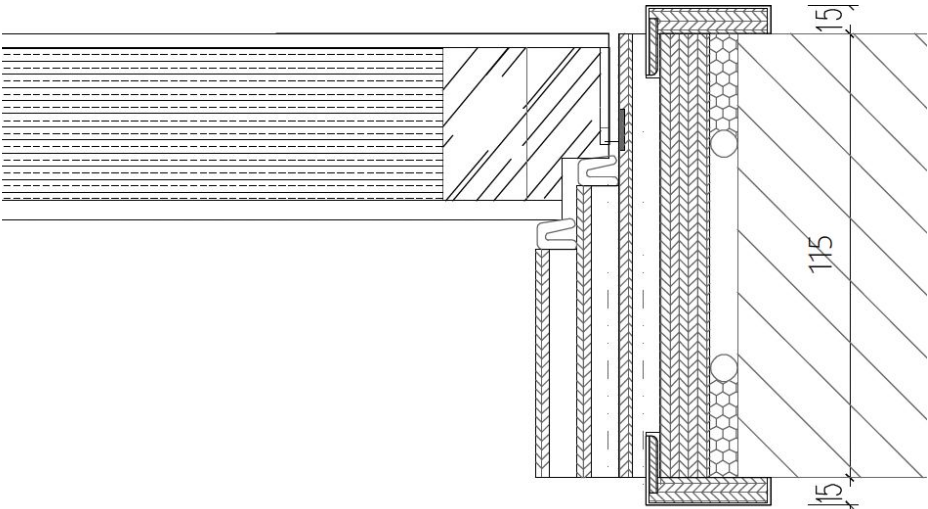
Note: The SilentDoor Rw® Essentials series only comes in a primed finish, unlike the classic range.

Product Name	Rated
SilentDoor Rw® Essentials 30dB	30dB assumed*
SilentDoor Rw® Essentials 35dB	35dB assumed*
SilentDoor Rw® Essentials 40dB	40dB assumed*
SilentDoor Rw® Essentials 45dB	45dB assumed*

Sections (Door, frame and threshold)

- 45mm thick door leaf with solid perimeter frame.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Mechanical drop seal.

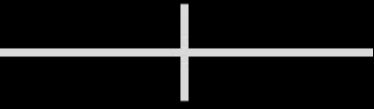
Across the SilentDoor Rw® Essentials range, the overall doorset specification remains consistent, with standardised construction, finishes, and ironmongery. The only variable between variants is the core construction, which is adjusted to achieve the required acoustic performance. This streamlined approach ensures consistency in appearance and installation, while allowing different dB ratings to be offered in a cost-effective and efficient manner.



SilentDoor Rw® Essentials Series



PERFORMANCE ACOUSTIC DOORSETS



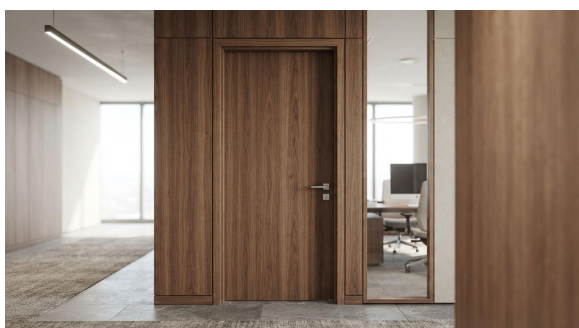
SILENTDOOR 
Open the doors to endless possibilities

SilentDoor Rw®

The SilentDoor Rw® range is a fully specified, high-performance collection of acoustic doorsets designed for projects where performance, flexibility, and finish are critical. Unlike the Essentials series, the classic range offers a wider scope of acoustic ratings, fire certifications, and bespoke options, allowing each doorset to be tailored to exact project requirements. From higher dB performance levels to a variety of finishes, ironmongery, and vision panel configurations, every detail can be customised. Manufactured to order, these doorsets are suited to more demanding environments where enhanced acoustic control, design integration, and project-specific compliance are essential.



SilentDoor Rw® T Series

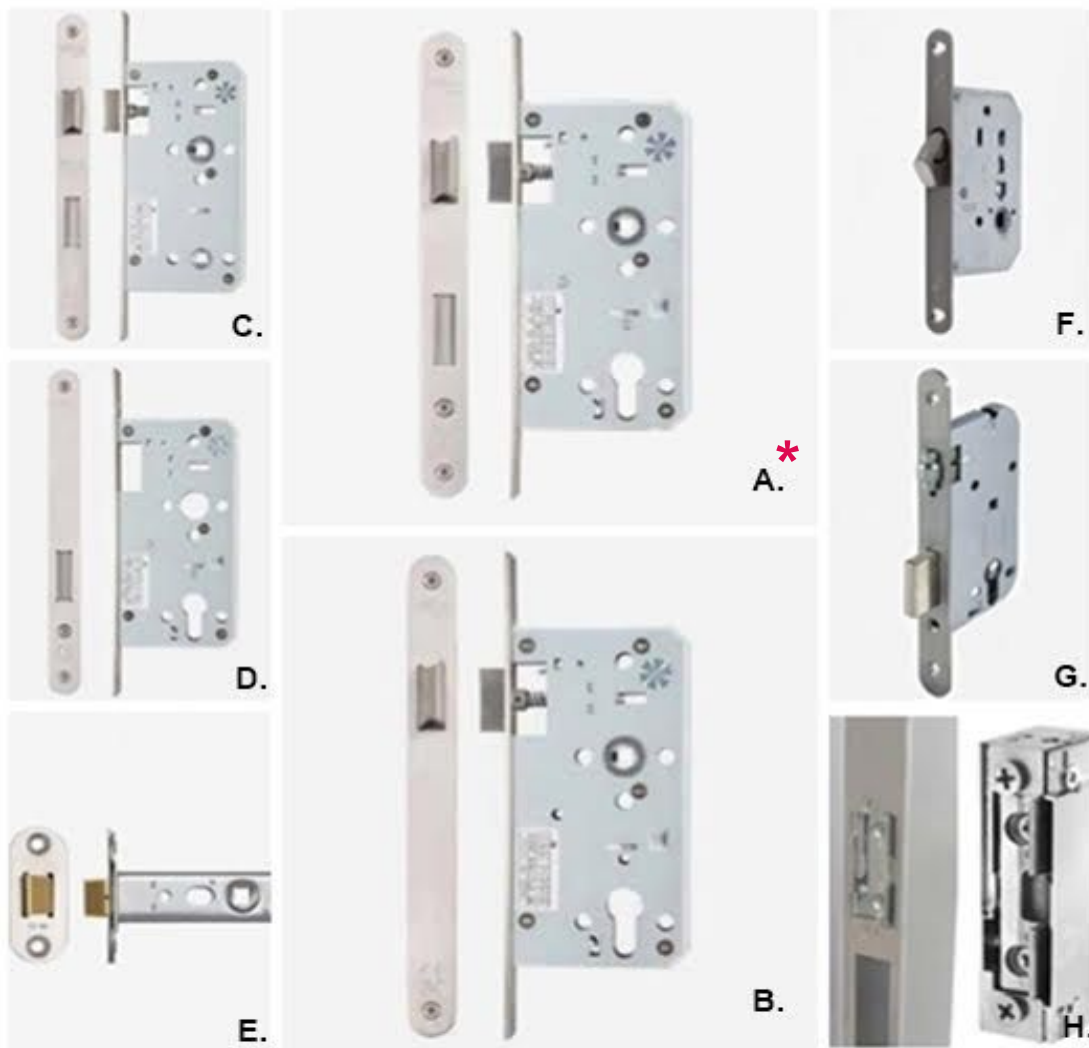




SilentDoor Rw® Timber Locking Types

NOTE: Every acoustic door necessitates a specific locking mechanism to guarantee both acoustic and fire protection. This locking mechanism is essential for drawing the door leaf tightly against the door frame, ensuring a secure seal. Doors that omit this feature pose the risk of inadequate sealing, jeopardising their protective and performance capabilities, which is not recommended.

*** Important note:**
SilentDoor Rw®
fire/acoustic doors
have been tested
with a latch/sash
lock.



Locking Types.

Lock Types for SilentDoor Rw® T - Timber Door Sets

A	Sash Lock (Latch with Cylinder) With Lever Handle	
B	Latch Case (Only latch) With Lever Handle	
C	Bathroom Lock (Thumb Turn With Latch) With Lever Handle	
D	Deadlock (Only Cylinder) No Lever Handle	
E	Thumb Turn (Only Thumb) No Handle	Not Suitable for Fire/Acoustic Doors
F	Parrot Beak (For Sliding Doors)	Not Suitable for Fire/Acoustic Doors
G	Roller Lock (Roller Latch) Pull/Push Handle	Not Suitable for Fire/Acoustic Doors
H	Electric Strike (Has To Be Complemented By A or B)	
I	Concealed MagLock	

SilentDoor Rw® Hinge Types

Concealed Hinge Options



Matt Chrome



Satin Chrome



Stainless Effect



Rustic Umber



Matt Nickel



Satin Nickel



Polished Nickel



Traffic White



Polished Brass



Satin Brass



Matt Black



Bronze Metallic



Bronze



Light Bronze



Dark Bronze

SilentDoor Rw® Timber

High Performing Acoustic Doorsets

Product Datasheet.

SilentDoor Rw® Timber is available in: 35dB, 40dB, 45dB, 50dB and 55dB/60dB.

Acoustic doors of 35dB and above are supplied as complete assemblies with a frame. We can supply dual certifications against fire and most can be supplied in the veneer or laminate of your choice. When the Acoustic doors feature a vision panel a strong glass and extra sturdy seal is used to prevent sound from leaking through, so whether you want to keep noise out of a room, or prevent noise from a room escaping outside, an acoustic door is a vital addition to a number of environments.

With a variety of finishes and fire resistant ratings, these bespoke timber soundproof doors are the ideal choice for areas requiring above average levels of sound insulation and are used in recording studios, offices, schools and healthcare environments, cinemas, audiology rooms, interview rooms, offices etc, all areas where excellent sound insulation is required through a doorway and privacy is paramount.

N.B. SilentDoor Rw® Timber doorsets have 'optional' concealed hinges and door closers.

Product Name	Approx Weight kg/m ²	Rated	Max Leaf Size (Single)	Max Leaf Size (Double)
SilentDoor Rw® 40T Timber	43 kg/m ²	40dB Lab tested*	3500 H x 1290mm L	3500 H x 2580mm L
SilentDoor Rw® 45T Timber	50 kg/m ²	45dB Lab tested	3500 H x 1290mm L	3500 H x 2580mm L
SilentDoor Rw® 50T Timber	60 kg/m ²	50dB Lab tested*	3500 H x 1290mm L	3500 H x 2580mm L
SilentDoor Rw® 55T Timber	74 kg/m ²	55dB Lab tested*	3500 H x 1290mm L	3500 H x 2580mm L
SilentDoor Rw® 60T Timber	83 kg/m ²	60dB Lab tested*	3500 H x 1290mm L	N/A Single Only

*** Lab tested:** Performance verified through independent acoustic testing under controlled conditions (Sound transmission Loss (dB) / Sound Reduction - Rw (*weighted sound reduction index* - BS EN ISO 717-1))

* The acoustic insulation tests have been carried out according to the UNE-EN ISO10140-2:2011 standard - Laboratory measurement of acoustic insulation to airborne noise of construction elements, therefore SilentDoor is not responsible for the results of other types of tests; such as the UNE-EN ISO 16283-1:2015 standard, measurement "in situ" from insulation to airborne noise in buildings and in construction elements.

Doorsets Max Specifications.

No Vision Panel				
Single Leaf	NFR	Ei30	Ei60	Ei90
SilentDoor Rw® 40T				
SilentDoor Rw® 45T				
SilentDoor Rw® 50T				
SilentDoor Rw® 55T				
SilentDoor Rw® 60T				
Double Leaf	NFR	Ei30	Ei60	Ei90
SilentDoor Rw® 40T				
SilentDoor Rw® 45T				
SilentDoor Rw® 50T				
SilentDoor Rw® 55T				
SilentDoor Rw® 60T				

With Vision Panel				
NFR	Ei30	Ei60	Ei90	Max VP Size
				Up to 0.62 SQM
				Up to 0.48 SQM
				No VP Possible
NFR	Ei30	Ei60	Ei90	Max VP Size
				Up to 0.62 SQM (per leaf)
				No VP Possible



High performance, versatile acoustic doorset systems.

Frequent Operation Cycle Classification	Rated
C5 (as standard with SilentDoor Rw®)	≥200,000 cycles
C4	≥100,000 cycles
C3	≥50,000 cycles
C2	≥10,000 cycles
C1	≥500 cycles
C0	1 - 499 cycles

The 'C' describes the self-closing property of the component and is derived from 'Closing'. The classes C0 to C5 define the self-closing cycles of the component. Class C5, for example, stands for very frequent operation. Class C3 stands for a moderate number of actuations mainly by persons with a certain motivation to handle with care. Class C2, for example, is widely used for fire doors: a low number of operations by persons with a high motivation for careful handling.

The 'E' in this classification is derived from 'Étanchéité' and stands for room closure. This indicates the ability of a building component with a room-separating function to resist fire from an attacking side. The passage of fire to the non-flame side is prevented.

The 'I' (I1, I2) is derived from 'Isolation' and describes the ability of the component to limit the transmission of fire and heat to such an extent that there is no danger to persons or ignition of combustible materials on the side facing away from the fire. An average temperature rise of 140°C and a maximum temperature rise of 180°C must not be exceeded. I1 differs from I2 in the positioning of the sensors for the surface temperature during tests. For fire doors or gates in Europe, the usual requirement is I2.

The number '60' represents the classification time of the fire doors and gates. Classification times must be given in minutes for each of the above characteristics, with classification times of (FD) 30, 60, 90 and 120 being the most common in Europe.

Hinges.

SilentDoor Rw® standard hinge range is by **Royde & Tucker** or **INTHER** who remain at the forefront of UK hardware design and production for over 50 years and they are entirely made here in the UK and their HI-Load, Lift off hinges are available in a range of finishes.

For concealed hinges, we recommend **Tectus** by Simonswerk UK (for most doors we use the **TE 540 3D**). This is where design meets functionality providing a completely concealed hinge system capable of load capacities of up to 300kg. An opening angle of 180 degrees with three-dimensional adjustability and 'maintenance free' slide bearing technology make this our first choice for any prestigious application.

If at all, you wish to supply your own hinges for our factory to install then please ensure that they have rounded corners that are suited for CNC router cuts.

Threshold.

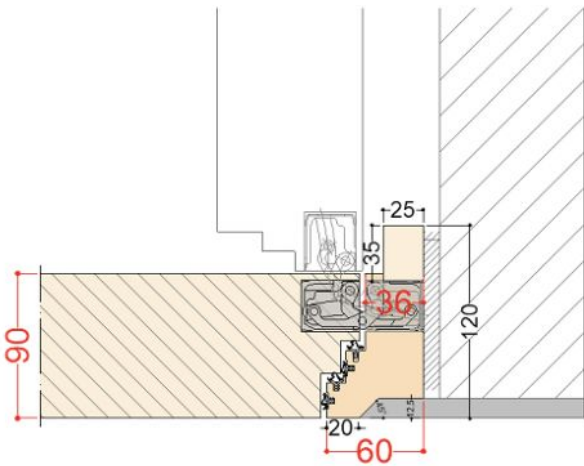
All of our SilentDoor Rw® timber range acoustic door leafs incorporate an automatic drop seal that will offer maximum performance if an threshold is fitted during installation. It is important to consider these where there are existing soft floor coverings or an uneven or rough floor surface. At SilentDoor we would recommend **Norseal** thresholds.

SilentDoor Rw® Timber

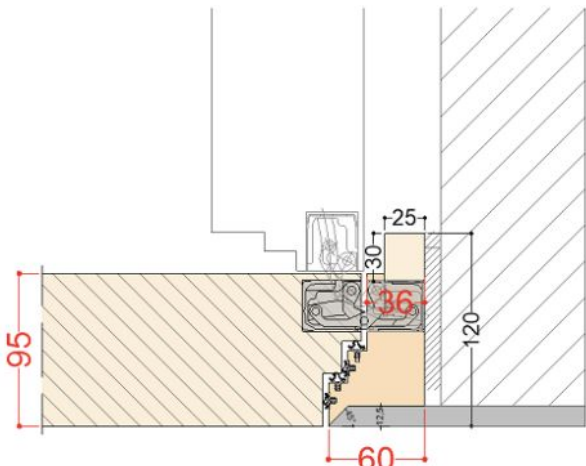
Example Details

Frequently asked details:

1.Detail of flush door



OP 1



OP 2 (WE DO NOT RECOMMEND)

OP2) **DO NOT RECOMMEND IT**. Apart from that the edge is vulnerable and possibly can break under a small impact, also the connection of concrete and wood frame will probably not end up clean and long lasting.

2. Suitable structure fittings

A double timber stud frame is typically sufficient for our doors if constructed with high-quality materials and proper reinforcement. However, for enhanced stability and durability, some customers opt for a C-section steel frame.

In either case, it's essential to create a "rugby post" configuration by securely connecting the frame to both the floor and the ceiling. Ideally, these posts should be anchored to structural elements, such as a concrete floor and a concrete soffit, to ensure maximum load distribution and long-term stability.

Reference:

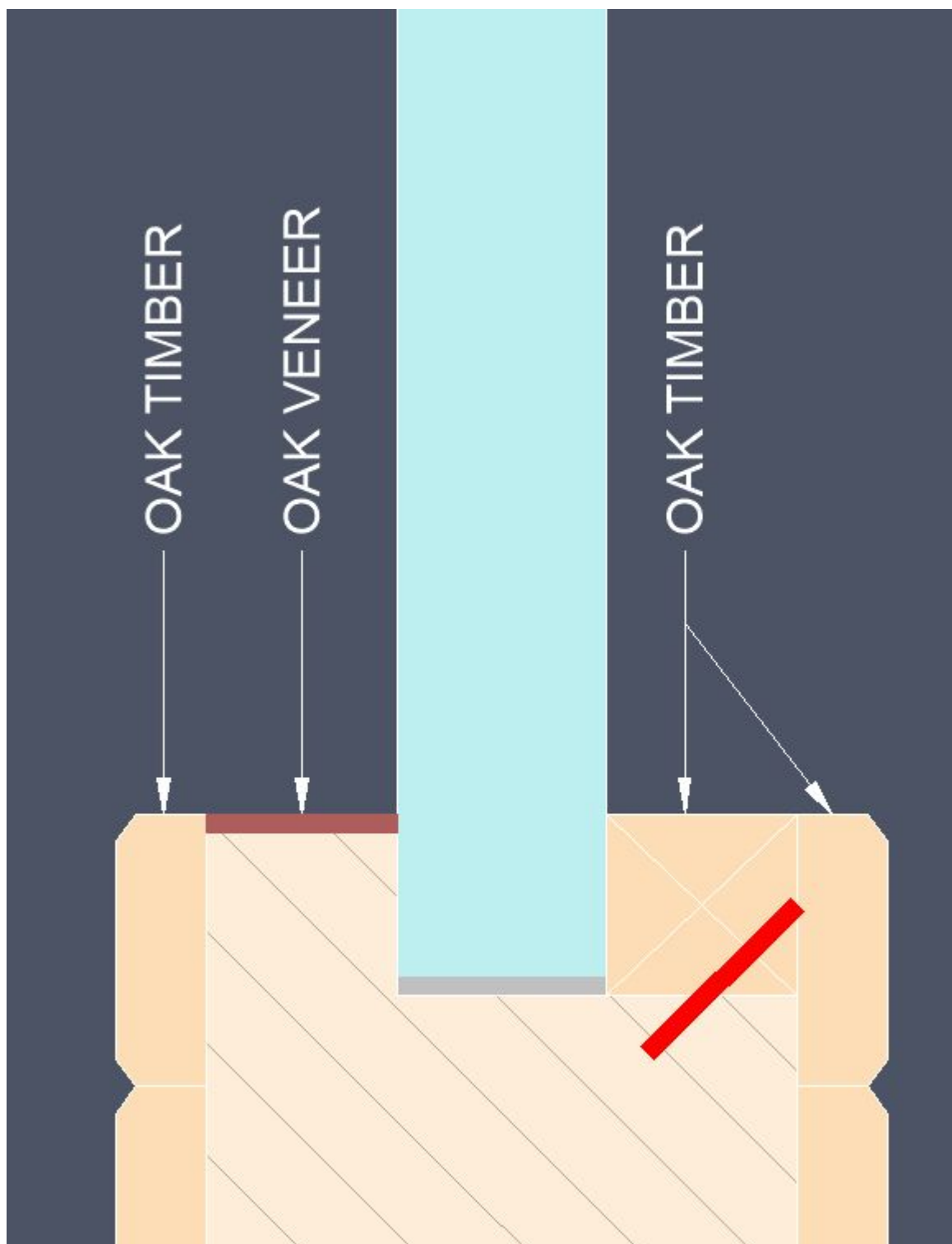
Single timber stud is recommended - horizontal noggins, brackets, securing to structural elements	Under 100kg
Double timber stud is recommended - horizontal noggins, brackets, securing to structural elements	Up to 150kg
C-Section Steel frame is recommended - anchored to solid structural elements	Over 150kg

Product Name	Approx Weight kg/m ²	Single Door 2100*900 (1.89sqm)	Double Door 2100*1500 (3.15sqm)
SilentDoor Rw® 40T Timber	43 kg/m ²	81.27 kg	135.45 kg
SilentDoor Rw® 45T Timber	50 kg/m ²	94.5 kg	157.5 kg
SilentDoor Rw® 50T Timber	60 kg/m ²	113.4 kg	189 kg
SilentDoor Rw® 55T Timber	74 kg/m ²	139.86 kg	233.1 kg



SilentDoor Rw® Timber

Example Vision panel detail - No beading.





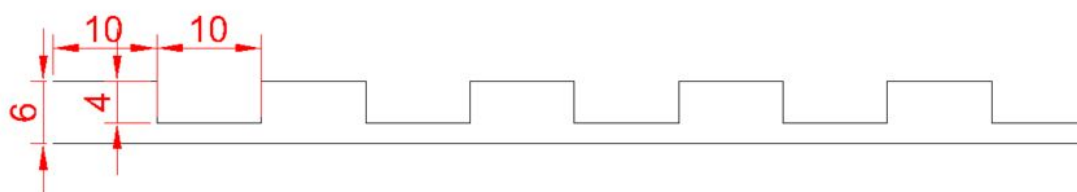
SilentDoor Rw® Timber

Example Details

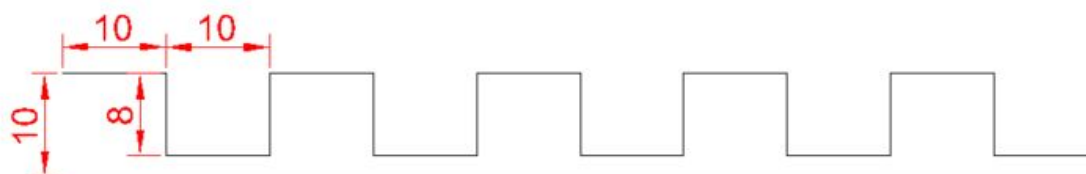
Frequently asked details:

3.Detail of slatted design

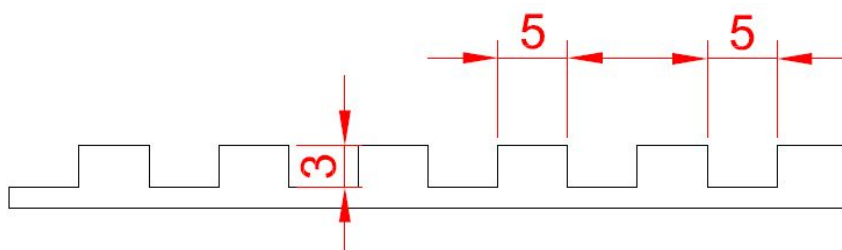
P10-6



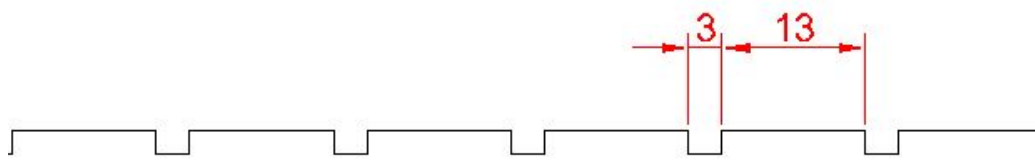
P10-10



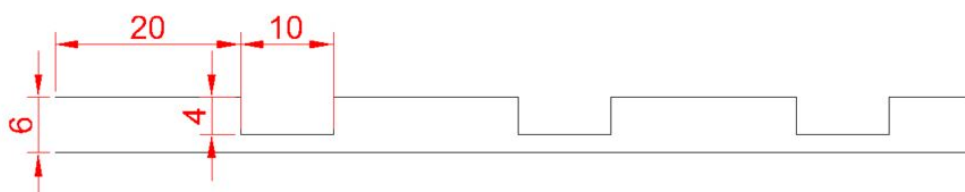
P5-5



P13



P20-6

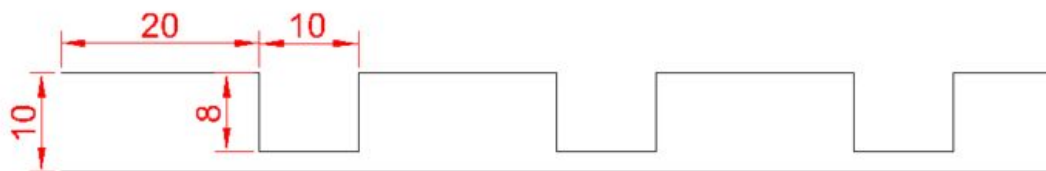




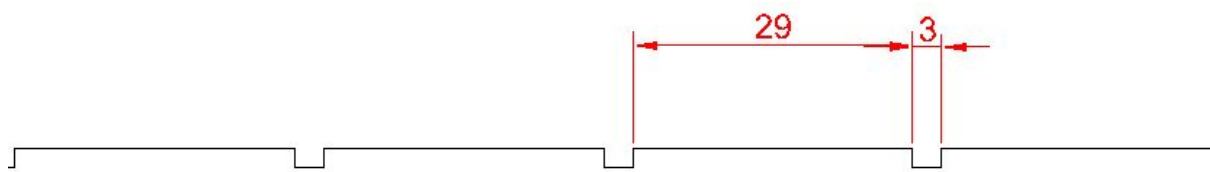
SilentDoor Rw® Timber

Example Details

P20-10



P29



4. How do the doors compare?

Sound Reduction and Decibels (dB): Every 3 dB increase in sound reduction does indeed represent a doubling or halving of sound energy. However, when you combine two doors (or any two sound barriers), their sound insulation properties do not simply add up linearly in terms of decibels. Instead, the combination effect is more complex.

As an example for this, let compare the SilentDoor RW® 45T and SilentDoor RW® 50T.

- **Two identical doors** (such as two SilentDoor RW® 45T doors) would not double the sound reduction. The combined reduction would be **approximately 3 dB higher** than the reduction of one door. So, if one RW® 45T door provides 45 dB of sound reduction, two of them would give a combined reduction of **48 dB** (a 3 dB increase).
- **SilentDoor RW® 45T and RW® 50T:** A **single RW® 50T door**, offering 50 dB of sound reduction, would indeed be more effective than two RW® 45T doors, because it provides a higher level of sound isolation with a single unit. Therefore, a single RW® 50T door would outperform two RW® 45T doors, even if those two provide a total of 48 dB, because 50 dB blocks more sound than 48 dB.

So, to summarise

- Two SilentDoor RW® 45T doors would achieve approximately **48 dB** of sound reduction (3 dB more than one door).
- A single SilentDoor RW® 50T door provides **50 dB** of sound reduction, which is greater than the 48 dB from two 45T doors.

Thus, a single RW® 50T door provides better sound insulation than two RW® 45T doors combined. The core concept remains that every 3 dB increase signifies a noticeable improvement in sound isolation, but the actual increase from combining two doors is only around 3 dB, not a doubling of the sound reduction.



SilentDoor Rw® Timber

Example Details

Notes:

- According to the EN 15269-3 standard, certified fire doors, once manufactured, cannot be clad with more than 1.5mm on each side, so as not to lose the obtained classification.
- The acoustic insulation tests have been carried out according to the UNE-EN ISO10140-2:2011 standard - Laboratory measurement of acoustic insulation to airborne noise of construction elements, therefore SilentDoor is not responsible for the results of other types of tests; such as the UNE-EN ISO 16283-1:2015 standard, measurement "in situ" from insulation to airborne noise in buildings and in construction elements.
- **IMPORTANT:** The doors must close onto a solid, hard and level surface to ensure the acoustic drop seal engages correctly and provides the required acoustic seal. Carpet, carpet tiles or any other soft/compressible floor finish must not be positioned beneath the drop seal. The quotation assumes a suitable hard, level finished floor is provided beneath the doors. Failure to provide the required floor condition may prevent the drop seal from operating correctly and may compromise the acoustic performance of the doorset. Any alternative floor finish or threshold arrangement must be agreed with SilentDoor prior to installation.

SilentDoor Rw® 40T - Timber

High Performing Acoustic Doorsets

SilentDoor Rw® 40T has a tri-layer acoustic core with an overall finished thickness of 55mm. The inner core and solid perimeter/structural rails are manufactured incorporating acoustically insulating materials and finished with that all important outer skin. Each leaf is then single rebated to top and sides creating a tight seal. To the bottom of each leaf is an automatic drop seal.

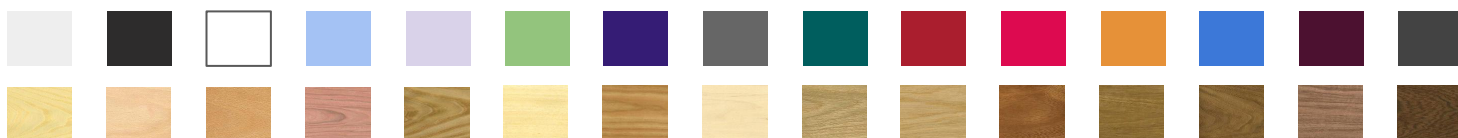
A 'Metal Frame' option is available for this doorset.

Suitable applications (recommendations are as follows)

SilentDoor Rw® 40T is ideally suited for Hospitals, Small Music Rooms, Auditoriums and Recording Studio environments.

Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

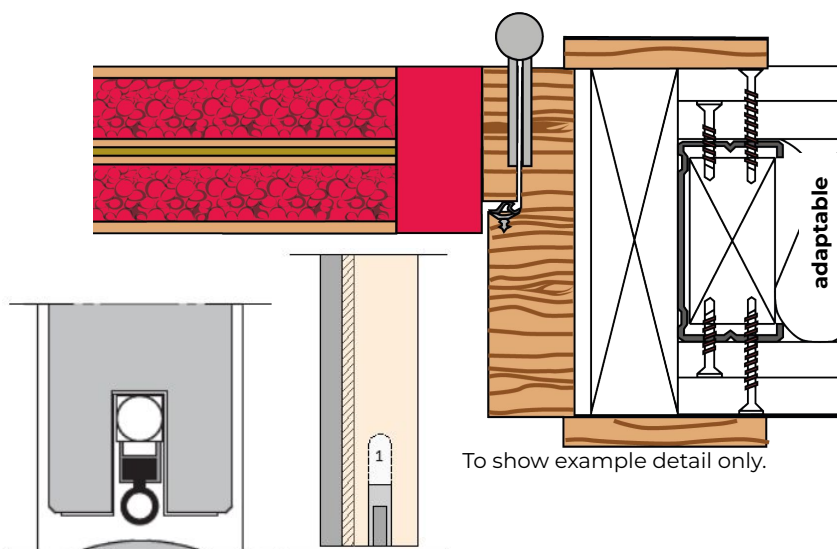
Custom Finishings (Veneered / Painted / Primed)



Sections (Door, frame and threshold)

- 55mm thick door leaf with solid perimeter frame.
- 60mm thick door leaf with optional concealed hinge.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Frame made of solid wood, with MDF or plywood base.
- Glazed elements can be incorporated.
- Mechanical drop seal

EN 1634-1 EN 1634-1



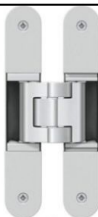
Specification.

Ironmongery options.

Exposed Hinge



Concealed Hinge



Automatic Acoustic Drop Seal



Acoustic Seal



Automatic Concealed Door Closer

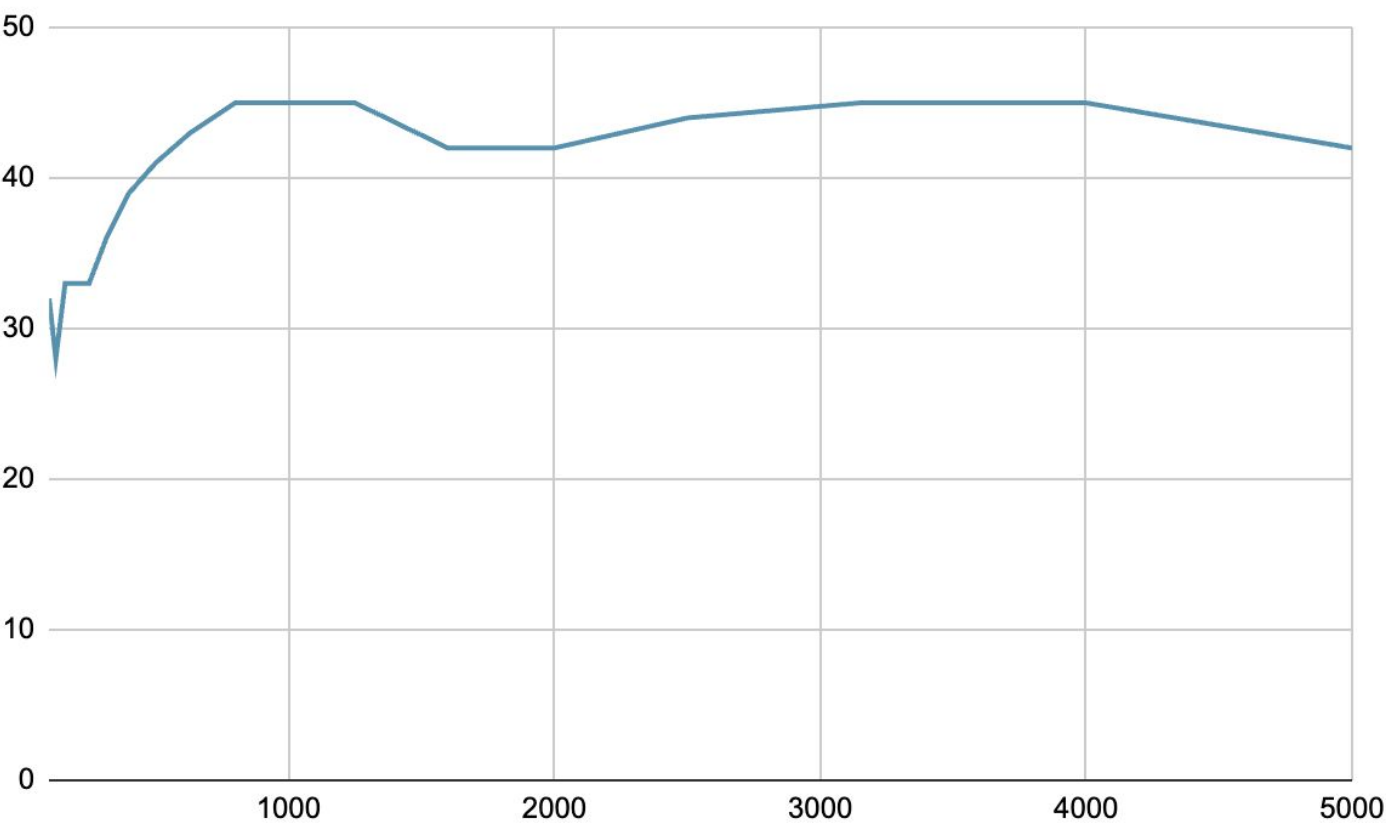


Automatic Exposed Door Closer



SilentDoor Rw® 40T - Timber

Sound Reduction Index (SRI)



Frequency (Hz)	R (dB)
100	32.0
125	28.0
160	33.0
200	33.0
250	33.0
315	36.0
400	39.0
500	41.0
630	43.0
800	45.0
1000	45.0
1250	45.0
1600	42.0
2000	42.0
2500	44.0
3150	45.0
4000	45.0
5000	42.0

Specification

- 55mm thick door leaf with solid perimeter frame
- Core constructed from timber and acoustic insulation materials
- Frame made of solid wood, with MDF or plywood base
- Glazed elements can be incorporated

Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

EN 1634-1 EN 1634-1

Ironmongery options

- Range of items available, specific items may need to be assessed
- Standard, lift-off or invisible hinges
- Standard or hidden automatic door closers

Overall weighted sound reduction index A, R:

≥40dBA

Overall sound reduction index, Rw
(C 100-5000, Ctr, 100-5000)

42 (0; -1) dB

SilentDoor Rw® 45T - Timber

High Performing Acoustic Doorsets

SilentDoor Rw® 45T has a tri-layer acoustic core with an overall finished thickness of 65mm (45Rw). The inner core and solid perimeter/structural rails are manufactured incorporating acoustically insulating materials and finished with that all important outer skin. Each leaf is then double rebated to top and sides creating a twin seal, to the bottom of each leaf is a drop seal.

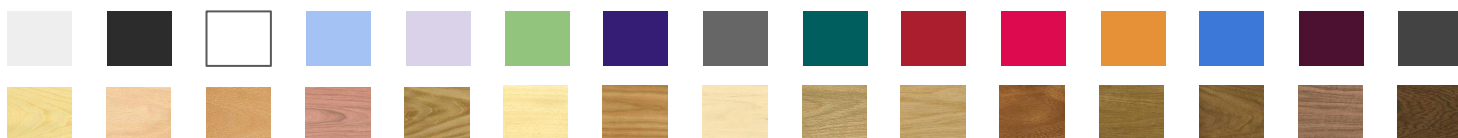
A 'Metal Frame' option is available for this doorset.

Suitable applications (recommendations are as follows)

SilentDoor Rw® 45T is ideally suited for large Music Rooms and Conference Rooms.

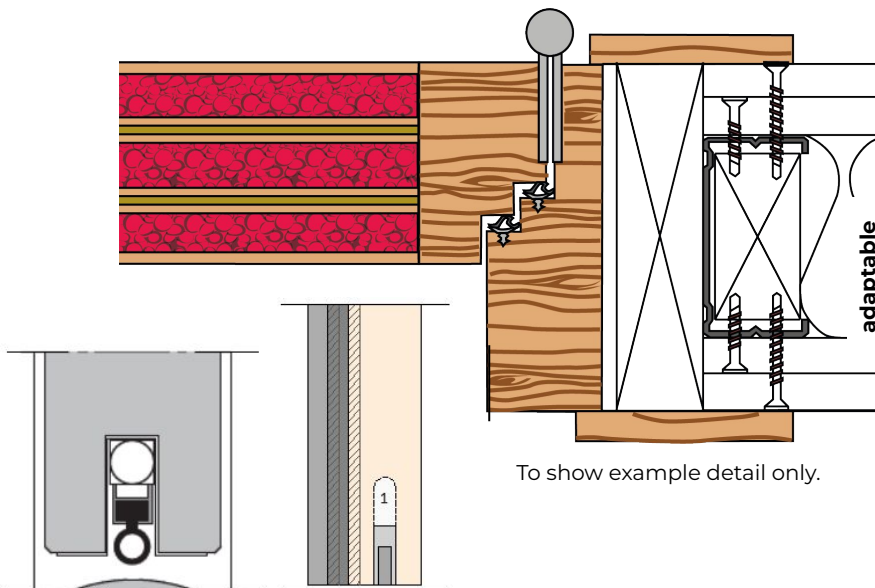
Wide range of veneers, selection of laminates, or factory-finished to any RAL colour.

Custom Finishings (Veneered / Painted / Primed)



Sections (Door, frame and threshold)

- 65mm thick door leaf with solid perimeter frame.
- 70mm thick door leaf with optional concealed hinge.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Frame made of solid wood, with MDF or plywood base.
- Glazed elements can be incorporated.
- Mechanical drop seal.



EN 1634-1 EN 1634-1

Ironmongery options.

Exposed Hinge



Concealed Hinge



Automatic Acoustic Drop Seal



Acoustic Seal



Automatic Concealed Door Closer

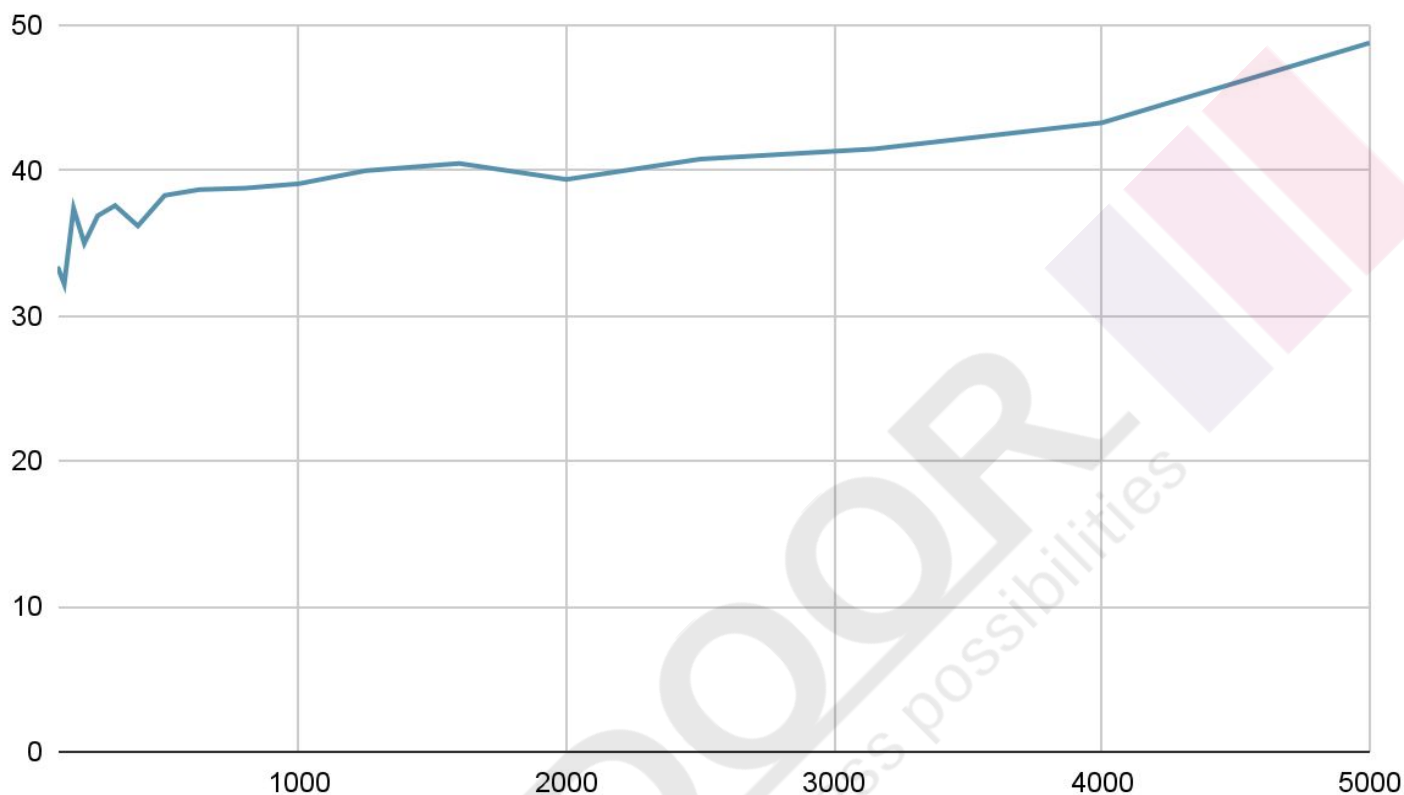


Automatic Exposed Door Closer



SilentDoor Rw® 45T - Timber

Sound Reduction Index (SRI)



Description.

Frequency (Hz)	R (dB)
100	33.4
125	32.2
160	37.4
200	35
250	36.9
315	37.6
400	36.2
500	38.3
630	38.7
800	38.8
1000	39.1
1250	40.0
1600	40.5
2000	39.4
2500	40.8
3150	41.5
4000	43.3
5000	48.8

Specification

- 65mm thick door leaf with solid perimeter frame
- Core constructed from timber and acoustic insulation materials
- Frame made of solid wood, with MDF or plywood base
- Glazed elements can be incorporated

Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

EN 1634-1 EN 1634-1

Ironmongery options

- Range of items available, specific items may need to be assessed
- Standard, lift-off or invisible hinges
- Standard or hidden automatic door closers

Overall weighted sound reduction index A, R: ≥ 45 dB(A)

Overall sound reduction index, Rw (C 100-5000, Ctr, 100-5000) 45 (0; 0) dB

SilentDoor Rw® 50T - Timber

High Performing Acoustic Doorsets

SilentDoor Rw® 50T has a tri-layer acoustic core with an overall finished thickness of 70mm. The inner core and solid perimeter/structural rails are manufactured incorporating acoustically insulating materials and finished with that all important outer skin. Each leaf is then double rebated to top and sides creating a twin seal, to the bottom of each leaf is a drop seal.

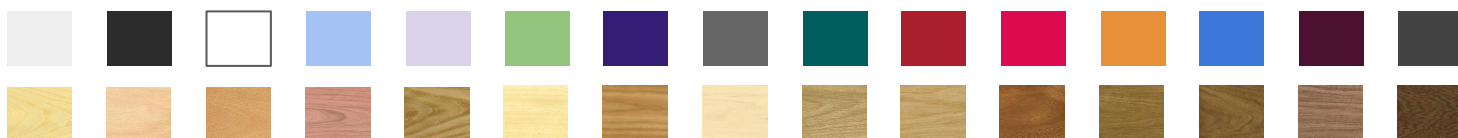
A 'Metal Frame' option is available for this doorset.

Suitable applications (recommendations are as follows)

SilentDoor Rw® 50T are ideally suited for Recording Studios and Concert Halls.

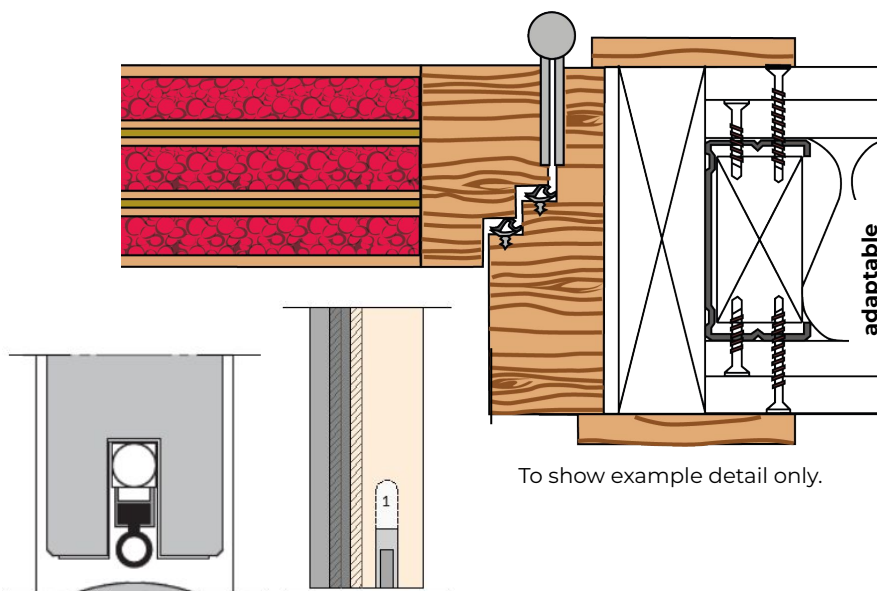
Wide range of veneers, selection of laminates, or factory-finished to any RAL colour.

Custom Finishings (Veneered / Painted / Primed)



Sections (Door, frame and threshold)

- 70mm thick door leaf with solid perimeter frame.
- 75mm thick door leaf with optional concealed hinge.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Frame made of solid wood, with MDF or plywood base.
- Glazed elements can be incorporated.
- Mechanical drop seal.



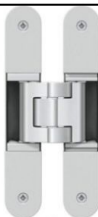
EN 1634-1 EN 1634-1

Ironmongery options.

Exposed Hinge



Concealed Hinge



Automatic Acoustic Drop Seal



Acoustic Seal



Automatic Concealed Door Closer

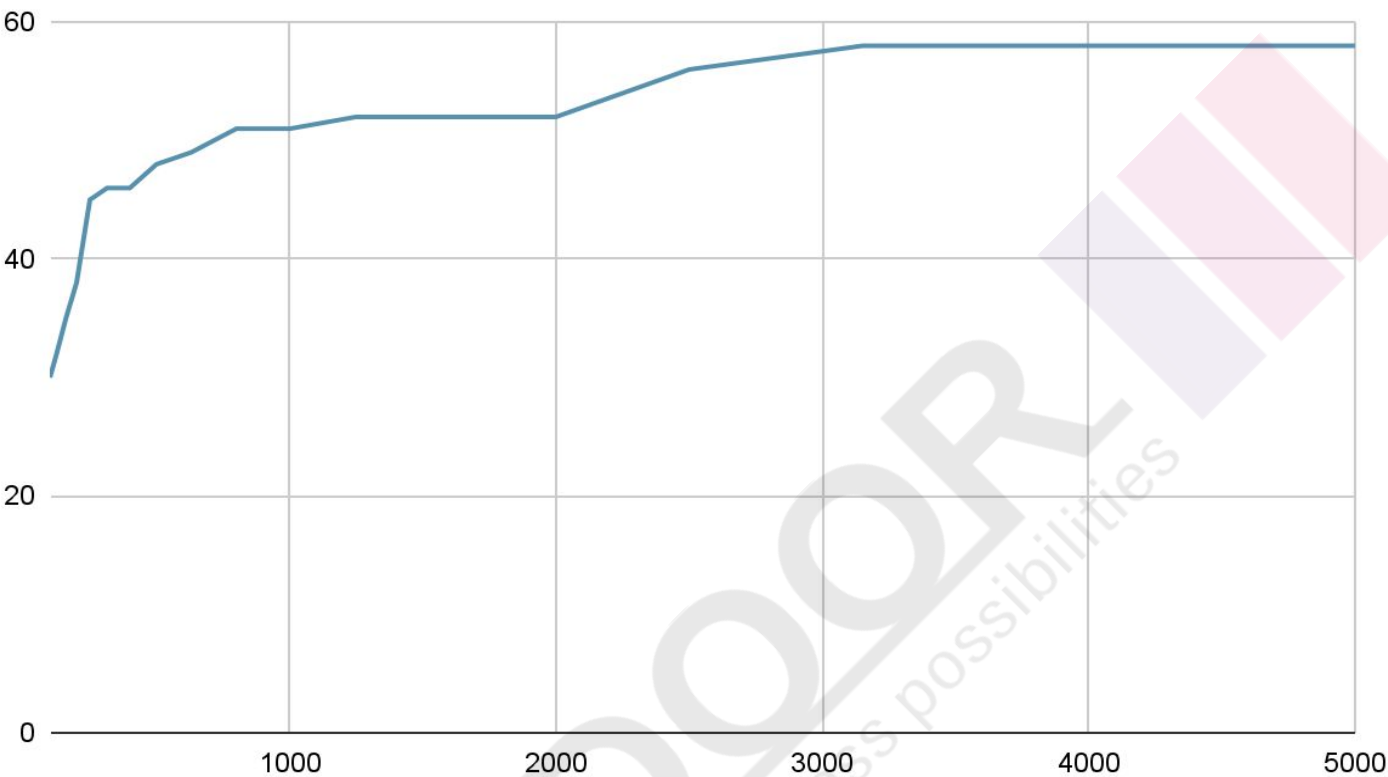


Automatic Exposed Door Closer



SilentDoor Rw® 50T - Timber

Sound Reduction Index (SRI)



Description.

Frequency (Hz)	R (dB)
100	30.0
125	32.0
160	35.0
200	38.0
250	45.0
315	46.0
400	46.0
500	48.0
630	49.0
800	51.0
1000	51.0
1250	52.0
1600	52.0
2000	52.0
2500	56.0
3150	58.0
4000	58.0
5000	58.0

Specification

- 70mm thick door leaf with solid perimeter frame
 - Core constructed from timber and acoustic insulation materials
 - Frame made of solid wood, with MDF or plywood base
 - Glazed elements can be incorporated
- Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

EN 1634-1 EN 1634-1

Ironmongery options

- Range of items available, specific items may need to be assessed
- Standard, lift-off or invisible hinges
- Standard or hidden automatic door closers

Overall weighted sound reduction index A, R:	≥50dBA
Overall sound reduction index, Rw (C 100-5000, Ctr, 100-5000)	52 (0; -1) dB

SilentDoor Rw® 55T - Timber

High Performing Acoustic Doorsets

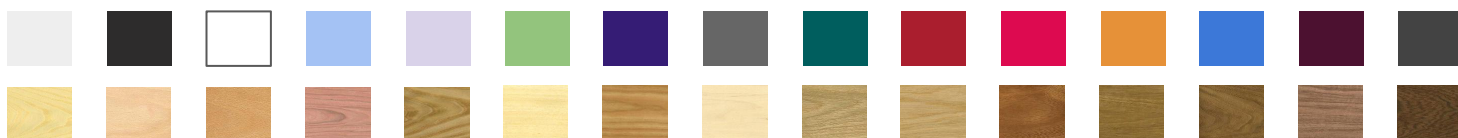
SilentDoor Rw® 55T has a tri-layer acoustic core with an overall finished thickness of 80mm. The inner core and solid perimeter/structural rails are manufactured incorporating acoustically insulating materials and finished with that all important outer skin. Each leaf is then double rebated to top and sides creating a twin seal, to the bottom of each leaf is a drop seal.

Suitable applications (recommendations are as follows)

SilentDoor Rw® 55T is ideally suited for Audiology Rooms, Testing Environments, Film Studios, Theatres and Cinemas.

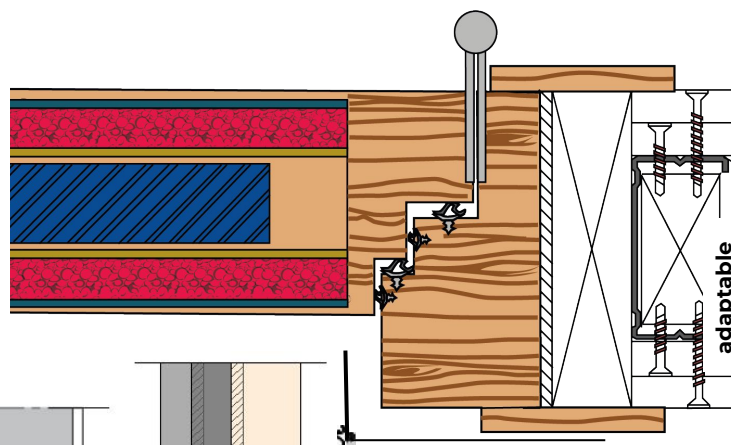
Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

Custom Finishings (Veneered / Painted / Primed)



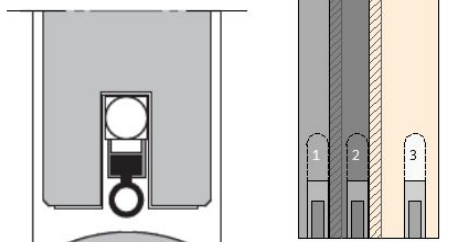
Sections (Door, frame and threshold)

- 80mm thick door leaf with solid perimeter frame.
- 85mm thick door leaf with optional concealed hinge.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Frame made of solid wood, with MDF or plywood base.
- Glazed elements can be incorporated.
- Mechanical drop seals X 3.



To show example detail only.

EN 1634-1 EN 1634-1



Description.

Finishing Options.

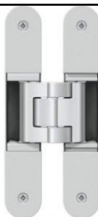
Specification.

Ironmongery options.

Exposed Hinge



Concealed Hinge



Automatic Acoustic Drop Seal



Acoustic Seal



Automatic Concealed Door Closer

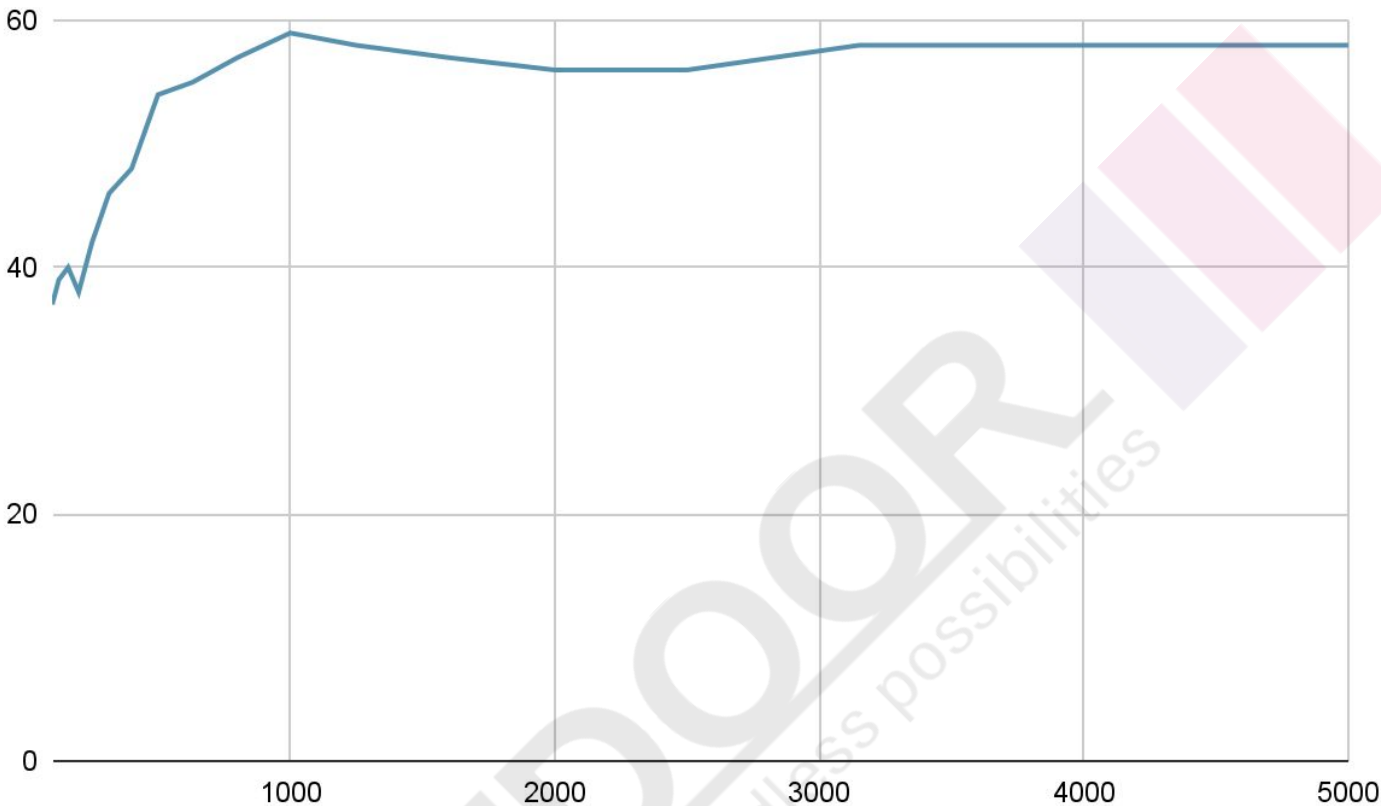


Automatic Exposed Door Closer



SilentDoor Rw® 55T - Timber

Sound Reduction Index (SRI)



Frequency (Hz)	R (dB)
100	37.0
125	39.0
160	40.0
200	38.0
250	42.0
315	46.0
400	48.0
500	54.0
630	55.0
800	57.0
1000	59.0
1250	58.0
1600	57.0
2000	56.0
2500	56.0
3150	58.0
4000	58.0
5000	58.0

Specification

- 85mm thick door leaf with solid perimeter frame
- Core constructed from timber and acoustic insulation materials
- Frame made of solid wood, with MDF or plywood base
- Glazed elements can be incorporated

Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

EN 1634-1 EN 1634-1

Ironmongery options

- Range of items available, specific items may need to be assessed
- Standard, lift-off or invisible hinges
- Standard or hidden automatic door closers

Overall weighted sound reduction index A, R: ≥55dBA

Overall sound reduction index, Rw (C 100-5000, Ctr, 100-5000) 57 (0; -1) dB

SilentDoor Rw® 60T - Timber

High Performing Acoustic Doorsets

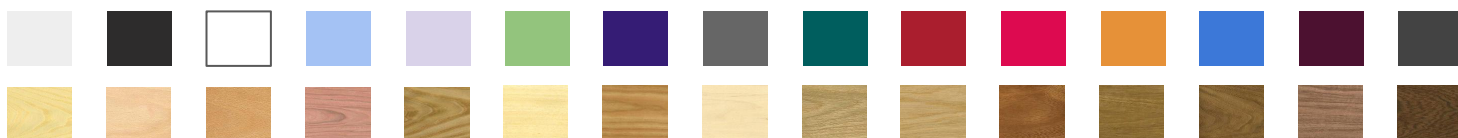
SilentDoor Rw® 60T has a tri-layer acoustic core with an overall finished thickness of 80mm. The inner core and solid perimeter/structural rails are manufactured incorporating acoustically insulating materials and finished with that all important outer skin. Each leaf is then double rebated to top and sides creating a twin seal, to the bottom of each leaf is a drop seal.

Suitable applications (recommendations are as follows)

SilentDoor Rw® 60T is ideally suited for Audiology Rooms, Testing Environments, Film Studios, Theatres and Cinemas.

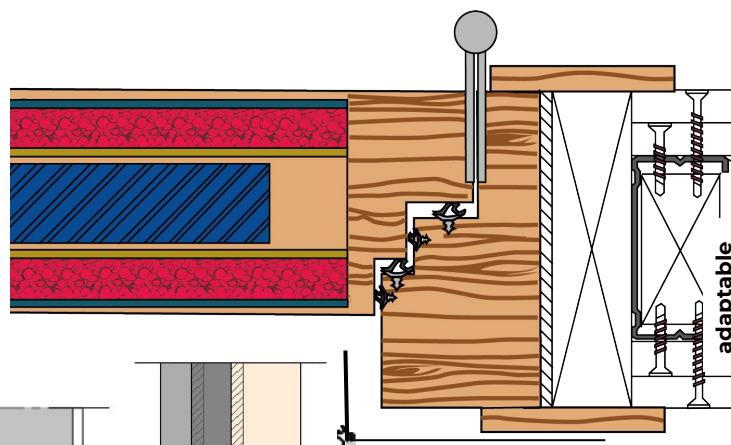
Wide range of veneers, Selection of laminates, or Factory-finished to any RAL colour.

Custom Finishings (Veneered / Painted / Primed)



Sections (Door, frame and threshold)

- 80mm thick door leaf with solid perimeter frame.
- 85mm thick door leaf with optional concealed hinge.
- Double Rebated doors (Three slides).
- Core constructed from timber and acoustic insulation materials.
- Frame made of solid wood, with MDF or plywood base.
- Glazed elements can be incorporated.
- Mechanical drop seals X 3.



To show example detail only.

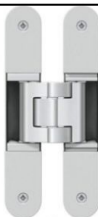
EN 1634-1 EN 1634-1

Ironmongery options.

Exposed Hinge



Concealed Hinge



Automatic Acoustic Drop Seal



Acoustic Seal



Automatic Concealed Door Closer



Automatic Exposed Door Closer



SilentDoor Rw® Timber Specification

Acoustic Doorset Specification List

As all our doors are made to measure, we just need to make sure we take all the relevant info to make sure you get the right door.

To help us finalise your door specification, please take time to complete the below and following page.



Painted

If painted, please specify the colour (RAL Code)

Code

To view colour options, visit <http://www.ralcolor.com/>

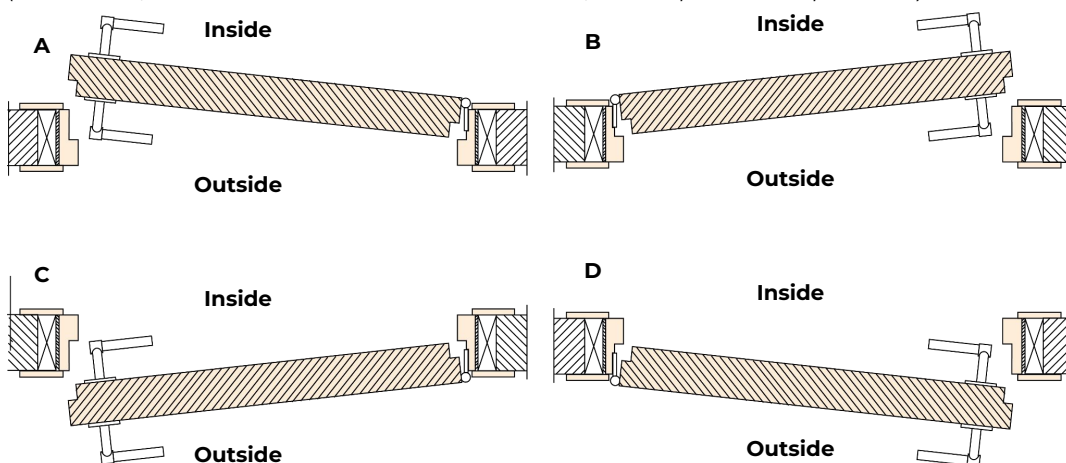
Primed

If primed, please tick.

Yes - Primed

Door Handing (selection)

(Please note, doors do not come with the door handle, unless specified on quotation.)



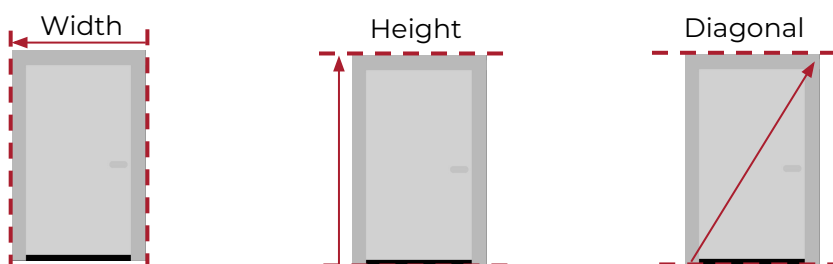
A - Right Hand

B - Left Hand

C - Right Hand Reverse

D - Left Hand Reverse

Measurements (of door and frame i.e structural opening)



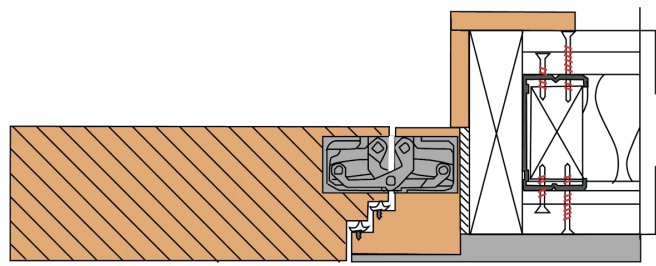
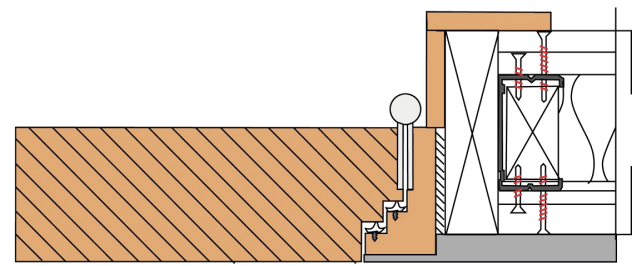
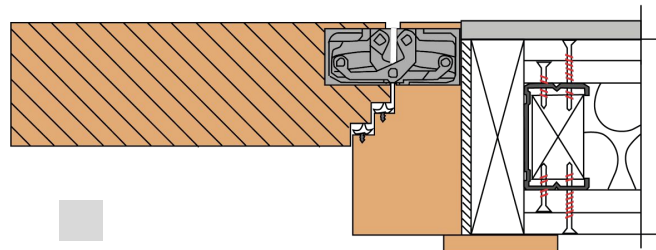
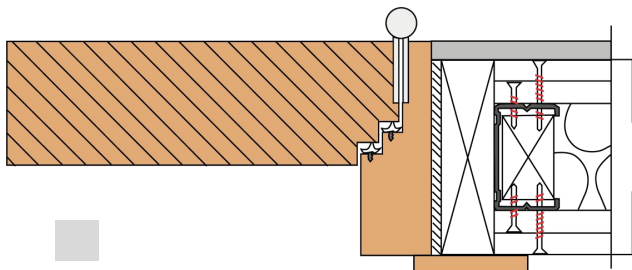
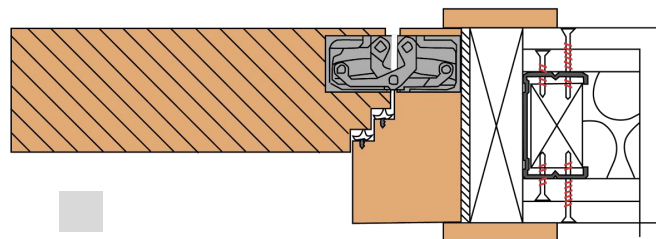
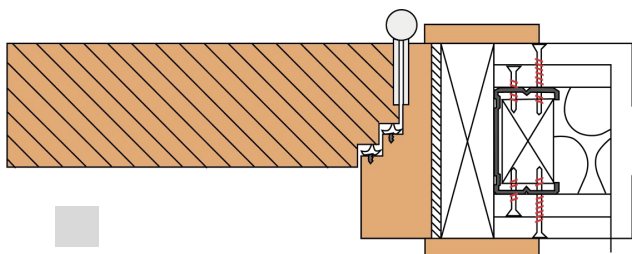
Single Leaf

Double Leaf

If Double- Is there any required Leaf Split?

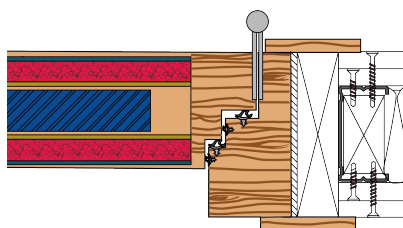


Architraves

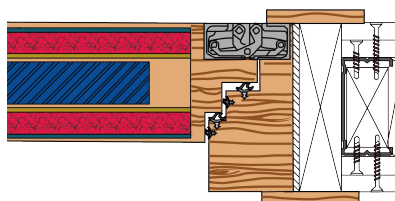


Hinge (Exposed or concealed hinge)

Exposed



Concealed



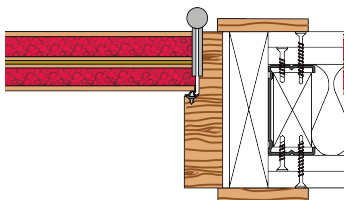
Exposed

Concealed

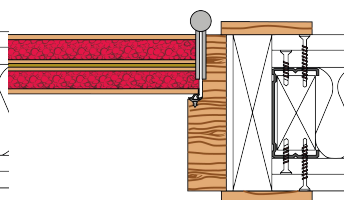


Type of door. Select a dB Rating option below.

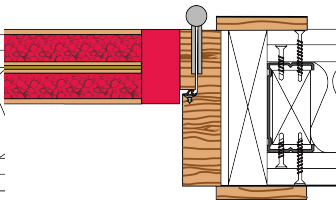
SilentDoor 30Rw®
Timber



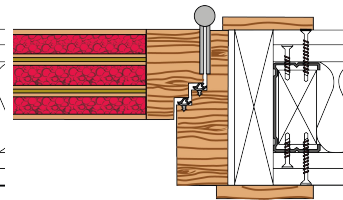
SilentDoor 35Rw®
Timber



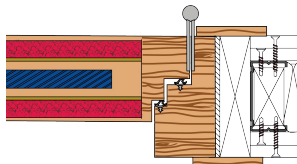
SilentDoor 40Rw®
Timber



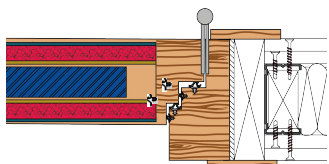
SilentDoor 45Rw®
Timber



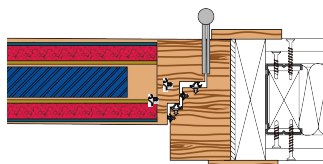
SilentDoor 50Rw®
Timber



SilentDoor 55Rw®
Timber

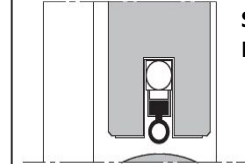


SilentDoor 60Rw®
Timber



NB.

SilentDoor Rw®
Drop Seal



Type of door. Select a Fire Rating option below.

Fire Rating



30 Mins



60 Mins

Acoustic rating may be compromised.



90 Mins



120 Mins



240 Mins

Final Sign Off

Signature.

Date.

Quantity of doors at this specification

How many doors at this spec?

Name.

Email.

Tel.

Notes.