

SOUNDPROOF/AIRTIGHT DOOR

**BOTH AIRTIGHT AND SOUNDPROOFED
FOR OPERATING THEATRES AND CLEAN ROOMS**

HOSPITALS/LABORATORIES



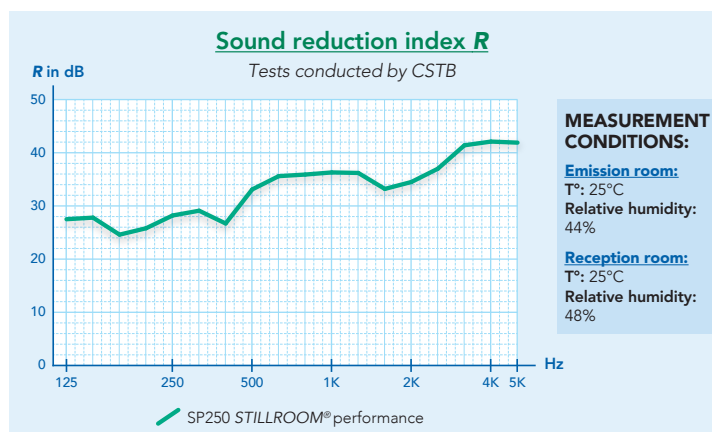
**SWING
DOOR**

**SP250
STILLROOM®**

SPECIALLY CONSTRUCTED FOR MORE EFFECTIVE SOUNDPROOFING

- The **SP250 STILLROOM®** soundproof airtight door is a hermetically sealed door whose main function is to **control the risks of bacteriological or particulate contamination**.
- In addition, thanks to its special design and composition, the **SP250 STILLROOM®** door has the advantage of also providing enhanced acoustic insulation (up to 35dB) for **greater comfort in sensitive environments**.
- It is intended **for controlled environments**, such as surgical suites in hospitals or clean rooms in various high-tech sectors of industry.
- The performances of the **SP250 STILLROOM®** door have been **tested and certified by several test laboratories** which have issued airtightness and acoustic insulation certificates.

ENHANCED SOUND ATTENUATION UP TO -35dB



FREQUENCY IN HZ	R IN DB
100	27.5
125	27.8
160	24.6
200	25.8
250	28.2
315	29.1
400	26.7
500	33.1
630	35.6
800	35.9
1,000	36.3
1,250	36.2
1,600	33.2
2,000	34.5
2,500	37
3,150	41.4
4,000	42.1
5,000	41.9

FEATURES & BENEFITS



Very high airtightness performance



Enhanced acoustic insulation, up to -35dB



Optimum decontamination and hygiene: porthole flush on both sides, smooth, rounded shapes



Materials unaffected by cleaning products.



Test certificates approved by certified laboratories

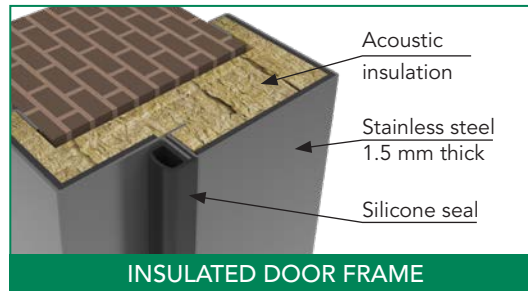


Large choice of laminate finishes

TECHNICAL CHARACTERISTICS

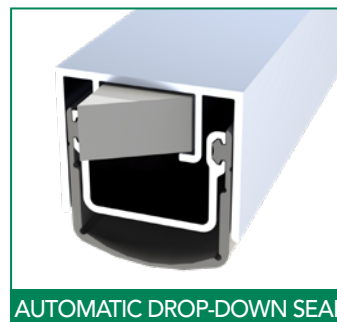
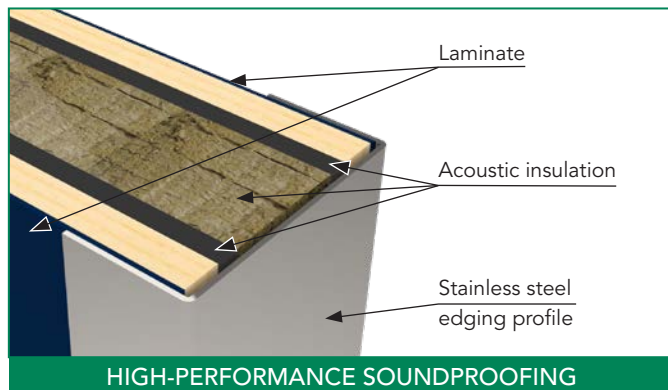
DOOR FRAME

- Grade 304L or 316L stainless steel door frame, with casing and inner casing adapted to the partition,
- Replaceable silicone perimeter seal,
- Acoustic insulation of the door frame.



DOOR LEAF

- Made of high-pressure laminate (HPL) with an antibacterial surface, protected by a brushed stainless steel frame,
- Core made of high-performance acoustic insulation materials,
- Grade 304L stainless steel handles and hinges,
- Automatic drop-down seal with silicone gasket ensuring the door is airtight at ground level.



SWING DOOR

SP250 STILLROOM®



TECHNICAL PERFORMANCES – SINGLE LEAF

ACOUSTIC INSULATION

$R_w(C; C_{tr}) = 35 (-1; -3) \text{ dB}$

For comparison, the standard SP250 HP was tested at

$R_w(C; C_{tr}) = 28 (-1; -2) \text{ dB}$

AIRTIGHTNESS PERFORMANCE

Leakage: $< 0.43 \text{ m}^3/\text{m}^2 / \text{h}$ at 20 Pa
 $< 0.75 \text{ m}^3/\text{m}^2 / \text{h}$ at 50 Pa

OPTIONS

- Porthole/vision panel flush on both sides, with SILENCE-type laminated glass,
- Vision panel with integral Venetian blind,
- Large choice of colours and laminate finishes,
- Acrovyn® or brushed stainless steel kick plates,
- Airlock interlocking: interlocking using flush-mounted electro-holding magnets,
- Access control with keypad or biometric system,
- Door closer,
- Crash bar,
- Automatic kit,
- Specific door frames or fastening systems to meet your needs, for renovation jobs in particular.

