

AIRTIGHT FIRE-RATED DOORS

FOR SURGICAL SUITES AND CONTROLLED ENVIRONMENT ROOMS

HOSPITALS/LABORATORIES



SWING
DOOR

SP250
AIR&FIRE STOP®

CONTROL THE RISK OF CONTAMINATION AND PROTECT AGAINST THE SPREAD OF FIRE

The **SP250 AIR&FIRE STOP®** airtight door has been designed to meet two different needs: **to provide enhanced airtightness** to protect clean and sterile rooms, and **to protect personnel** against the spread of fire.



Consisting of a **grade 304L stainless steel door frame** and a decontamination products-resistant and **impact-resistant compact laminate leaf** it is used in surgical suites, clean rooms, research laboratories and other controlled atmosphere rooms.

The leakage rates and fire resistance of **SP250 AIR&FIRE STOP®** doors have been **tested and certified** by different test laboratories: they have been issued with an airtightness certificate and **EI30 fire resistance** certificate for installation in plasterboard partitions and masonry walls.

FEATURES & BENEFITS



Top-of-the-range
EI30 fire door



Very high airtightness
performance



Optimum
decontamination
and hygiene



Materials unaffected
by cleaning products.

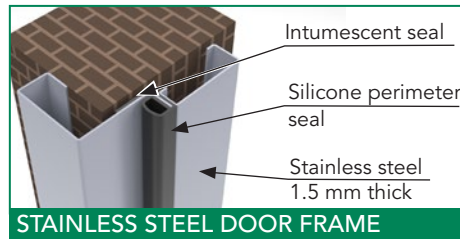


Test certificates
approved
by certified laboratories

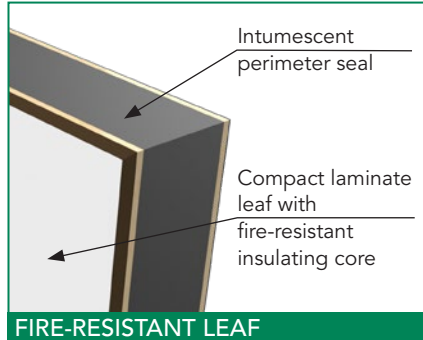
TECHNICAL CHARACTERISTICS

DOOR FRAME

- Grade 304L stainless steel door frame – welded casing for fitting in concrete walls and adapted inner casing for plasterboard partitions,
- Fastenings with no visible screws,
- Silicone perimeter seal.



DOOR LEAF



- Compact laminate leaf for optimum hygiene and excellent resistance to knocks and decontamination products,
- Fire-resistant insulating core,
- Intumescent perimeter seals,
- Lock with grade 304L stainless steel faceplate,
- Grade 304L stainless steel handles and hinges,
- Automatic drop-down seal with silicone gasket ensuring the door is airtight at ground level.



TECHNICAL PERFORMANCES

AIRTIGHTNESS PERFORMANCE

Leakage rate single-leaf door:	< 1.13 m ³ /m ² /h at 20 Pa and < 2.11 m ³ /m ² /h at 50 Pa
--------------------------------	---

FIRE RESISTANCE

Single-leaf door:	EI2-30 certification issued by the EFECTIS laboratory
Direction of fire:	Either for a leaf up to 1050 mm wide and up to 1207 mm wide for a fire on the opposite side to the hinges
Validity:	<p>For plasterboard and flexible partitions – minimum thickness 98 mm (the flexible support structure with steel rails and stiles at least double the thickness of BA13 must be compliant with a currently valid EI60 certificate)</p> <p>For rigid masonry walls – reinforced or aerated concrete, curtain or block wall, with a minimum thickness of 150 mm for a density of minimum 500 kg/m³ OR a minimum thickness of 120 mm for a concrete wall with a minimum density of 2200 kg/m³</p>

Only the single-leaf door has been tested and certified (airtightness and EI30 certificate) for the moment. Studies are underway with a view to the development of a double-leaf airtight EI30 door in the near future.

OPTIONS

Vision panel



Fire-resistant glass
Welded brushed stainless steel glazing beads 1.5 mm thick
Size: 400 x 400 mm

Kick plates



Brushed grade 304L stainless steel 0.8 mm



Acrovyn® 1.5 mm

Door closer



With compass arm TS2000



With slide arm TS90

SWING DOOR

SP250 AIR&FIRE STOP®

