



O·S·T®-2 RC5

Efficient maximum protection against burglary, bullets and other safety risks

SOMMER O·S·T®-2 facility security doors are certified according to EN 1627 for the elevated protection class RC5. Very stable infills in combination with a solid supporting structure and galvanised and painted steel sheets, as well as high-quality, multi-point locks and special fittings, ensure extremely high stability and security. Many optional security packages in two different model versions enable a comprehensive range of applications.

Highlights

- Burglary resistance RC5
- Fire protection T90 per DIN 4102
- Ballistic resistance to FB7
- Noise protection to 47 dB
- Air sealing to Cl. 4
- Pressure resistance
- Shielding attenuation
- Extinguishing and flood waterproof to 1.9 mm water column from opening side

O·S·T®-2 RC5

Technical data



DESCRIPTION

The fully galvanised and painted door leaf with sandwich construction, 1.5 mm (PLUS) or 2 mm (STAR) thick sheet steel, highly compressed security infills of mineral materials and full-surface bonding, plus a massive support structure, offer high torsional stiffness and stability. As standard, a corner frame of 2.5 mm thick fully galvanised and painted sheet steel is used; alternatively, block or closed frames can be used. The three-piece roll-formed hinges with roller bearings and tamper-proofing are designed to carry heavy loads while ensuring ease of movement and long service life.

MODELS

PLUS: Self-locking, multi-point lock

STAR: Special version with self-locking, multi-point lock



1-leaf



1-leaf with/without top panel



2-leaf with/without top panel

REQUIREMENTS

- Intrusion resistance to RC5 per EN 1627
- Fire protection T90 per DIN 4102 (STAR only)
- Fire protection EI₂30 per EN 1634-1 on request
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance to customer requirement, STAR also per EN 13123
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance to 150 mbar (1-leaf) and 50 mbar (2-leaf)
- Shielding attenuation to 44 dB per EN 50147
- Keeps extinguishing and flood water out to 1.9 m water column (1-leaf)
- Properties for outdoor use per EN 14351-1 with CE marking (size restriction; not with STAR)

SIZE RANGES (BASIC DIMENSIONS)

From 625 x 1875 mm to 1430 x 3225 mm

From 625 x 1750 mm to 1250 x 2625 mm

From 1375 x 1750 mm to 2500 x 2625 mm

Other sizes on request

STRUCTURAL AND FLOOR CONNECTIONS

- Standard installation, even floor
- Installation with stop
- Installation with stop seal
- Installation with drop down seal
- Masonry (wall thickness ≥ 240 mm)
- Concrete (wall thickness ≥ 140 mm)
- Steel section

OPTIONAL EQUIPMENT

- Panic design
- Glass panel (not with panic design) (not with STAR)
- Safe lock
- Electronic locks
- Escape door locking
- Revolving door drive
- Door condition contacts, bolt contacts
- Surface detection
- Block element for intrusion alarm system