



O·S·T®-1 RC3

Protection against burglary per EN 1627

SOMMER O·S·T®-1 object security doors are certified according to EN 1627 for protection class RC3. Tough mineral infill panels in combination with a supporting structure and galvanised and painted steel sheets with a thickness of 1.5 mm in a door leaf thickness of 64 mm, as well as high-quality locks and fittings, ensure a high level of strength and security.

Highlights

- RC3 intrusion resistance with deadbolt lock
- Fire protection T30 and T90 per DIN 4102, EI230 to EI2 120 per EN 1634-1
- Smoke protection per DIN 18095 and EN 1634-3
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Pressure resistance
- Shielding attenuation (LEMP)
- Waterproof to 1.9 m water column on opening side
- Air sealing to Cl. 4 per EN 12207
- Also usable as outer door per EN 14351-1 with CE mark

O·S·T®-1 RC3

Technical data



DESCRIPTION

The fully galvanised and painted door leaf with sandwich construction, 1.5 mm thick sheet steel, highly compressed security infills of mineral material and full-surface bonding offers high torsional stiffness and stability. As standard, a corner frame of 2.5 mm thick 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 demonstrated to bear heavy loads while ensuring ease of movement and long service life.

MODELS



1-leaf with/without top panel/transom



2-leaf with/without top panel/transom

REQUIREMENTS (DIMENSION-DEPENDENT)

- Break-in resistance to RC3 per EN 1627
- Fire protection T30, T90 per DIN 4102 or EI₂30, EI₂60, EI₂90, EI₂120 per EN 1634-1
- Smoke protection per DIN 18095 or EN 1634-3
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance to customer requirement
- 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
- Heat insulation U_d 2.0 to 2.5 (dimension-dependent)
- Extinguishing and flood waterproof to 1.9 mm water column (1-leaf from opening side)
- Properties for outdoor use per EN 14351-1 with CE marking (size restriction)

SIZE RANGES (BASIC DIMENSIONS)

- From 625 x 1750 mm to 1610 x 4050 mm
- With transom: height to 4000 mm
- From 1375 x 1750 mm to 3000 x 4050 mm
- With transom: height to 4000 mm

Other sizes on request, also available as wall panel

STRUCTURAL AND FLOOR CONNEC-

- Standard installation, even floor
- Installation with stop
- Installation with stop seal
- Installation with drop down seal
- Masonry (wall thickness \geq 115 mm)
- Concrete (wall thickness \geq 120 mm)
- Steel section
- Safety partitions, min. RC3

ATTACK SIDE

- Hinge side (opening side)
- Counter hinge side (closing side)

OPTIONAL EQUIPMENT

- Glass panel (including with panic function)
- Panic design
- Electrical safety openers
- Self-locking locks
- Electronic locks
- Door condition contacts, bolt contacts
- Surface detection
- Escape door locking
- Revolving door drive
- Blocking lock or block element for intrusion alarm system
- Grille elements (including with panic function)
- Peepholes (not with panic design)
- Safe-style hinges