



O·S·T®-2 RC4

Efficient protection against intrusion, fire, smoke, bullets and further safety risks

SOMMER O·S·T®-2 object security doors are certified according to EN 1627 for the elevated protection class RC4. Sturdy infill panels in combination with a massive supporting structure and galvanised and painted steel sheets with a minimum thickness of 1.5 mm in a door leaf thickness of 64 mm as well as high-quality, multi-point locks and fittings ensure very high stability and security. Extensive optional security packages in three different model versions enable a comprehensive range of applications.

Highlights

- Intrusion resistance to RC4 per EN 1627
- Fire protection T90 per DIN 4102, EI₂30 to EI₂90 per EN 1634-1
- Smoke protection per DIN 18095 and EN 1634-3
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance/explosion protection
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Shielding attenuation (LEMP)
- Waterproof to 1.9 mm water column from opening side
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance
- Also usable as outer door per EN 14351-1 with CE mark

O·S·T®-2 RC4

Technical data



DESCRIPTION

The fully galvanised and painted leaf in sandwich design with 1.5 mm (BASIC, PLUS) or 2 mm (STAR) sheet steel, the highly compressed security filler of mineral materials, and the full-surface bonding and massive support structure offer 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 roll-formed 3-piece hinges with roller bearings and tamper protection are designed for high loads, and ensure ease of motion and long service life.

MODELS

BASIC: Mechanical multi-point lock
PLUS: Self-locking, multi-point lock

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



1-leaf with/without top panel

2-leaf with/without top panel

1-leaf with/without top panel

2-leaf with/without top panel

REQUIREMENTS

- Intrusion resistance to RC4 per EN 1627
- Fire protection T90 per DIN 4102 (STAR: T120)
- or EI₂30, EI₂60, EI₂90 per EN 1634-1 (not with STAR)
- Smoke protection per EN 1634-3 (not with STAR)
- 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
- Heat insulation U_a 2.1 (dimension-dependent) to 2.7 W/m²K
- 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)

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 CONNECTIONS

- Standard installation, even floor
- Installation with stop
- Installation with stop seal
- Installation with drop down seal
- Masonry (wall thickness ≥ 115 mm)
- Concrete (wall thickness ≥ 120 mm; for T90 ≥ 140 mm)
- Steel section

ATTACK SIDE

- Hinge side (opening side)
- Counter hinge side (closing side) not with STAR

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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