



O·S·T®-2 RC4

Object security door JVA

Efficient protection against break-in as well as fire, smoke, firearms and other security risks

SOMMER O·S·T®-2 facility 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, high-security, multi-point locks and fittings ensure very high stability and security. Extensive optional security packages enable a comprehensive range of applications.

Highlights

- Intrusion resistance to RC4 per EN 1627
- Fire protection T30 per DIN 4102
- Smoke protection per EN 18095
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance/explosion protection
- Noise protection per DIN 52210 or EN ISO 717-1
- Pressure resistance
- Air sealing to Cl. 4 per EN 12207
- Glass panel
- Powered lock (remote controllable)
- Revolving door drive
- Also usable as outer door per EN 14351-1 with CE mark
- Ventilation grille

O·S·T®-2 RC4 JVA

Technical data



DESCRIPTION

SOMMER O·S·T®-2 Object security doors JVA provide security for gates, security centres and prisoner areas in prison facilities. 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, plus a 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 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



2-leaf with/without top panel

REQUIREMENTS (DIMENSION-DEPENDENT)

- Intrusion resistance to RC4 per EN 1627
- Fire protection T30 per DIN 4102 with individual case approval
- Smoke protection per EN 18095
- Ballistic resistance to FB7 per EN 1522
- Pressure wave resistance to customer requirement
- Noise protection to 37 dB per DIN 52210 or EN ISO 717-1
- Higher noise protection on request
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance to 150 mbar (1-leaf) and 50 mbar (2-leaf)
- Heat insulation U_g 2.1 to 2.7 W/m²K (dimension-dependent)
- Properties for outdoor use per EN 14351-1 with CE marking

Note: Requirements can be combined on request

SIZE RANGES (BASIC DIMENSIONS)

- From 625 x 1875 mm to 1250 x 2500 mm
- With top panel: to 1250 x 3500 mm
- From 1375 x 1875 mm to 2500 x 2500 mm
- With top panel: to 2500 x 3500 mm

Other sizes on request; maximum size dependent on additional requirements

STRUCTURAL AND FLOOR CONNECTIONS

- Standard installation, even floor
- Installation with stop
- Installation with stop seal
- Installation with drop down seal
- Masonry (wall thickness \geq 240 mm)
- Concrete (wall thickness \geq 120 mm; for T90 \geq 140 mm)
- Steel section

ATTACK SIDE

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

OPTIONAL EQUIPMENT

- High-security multi-point locks from various manufacturers
- Glass panel with special screws
- Electronic locks (remote controllable)
- Escape door locking
- Revolving door drive
- Door condition contacts, bolt contacts
- Surface detection
- Safe-style hinges
- Special configurations to customer order
- Ventilation grille
- Glass panel with bolted-in glass strips