



O·S·T[®]-1 RC3 Object security door JVA

Protection against burglary as well as fire, smoke and other security risks

SOMMER O·S·T[®]-1 object security doors are certified according to EN 1627 for protection class RC3. Tough 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-security locks from various manufacturers and fittings, ensure a high level of strength and security. Extensive optional security packages enable a wide range of applications.

Highlights

- Break-in resistance to RC3 per EN 1627
- Fire protection T30 and T90 per DIN 4102, EI₂30 per EN 1634-1
- Smoke protection per DIN 18095 and EN 1634-3
- Ballistic resistance to FB7 per EN 1522
- Noise protection per DIN 52210 or EN ISO 717-1
- Air sealing to Cl. 4 per EN 12207
- Pressure resistance
- Also usable as outer door per EN 14351-1 with CE mark
- Pressure wave resistance/explosion protection
- Ventilation grille

O·S·T®-1 RC3 JVA

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 designed to carry heavy loads while ensuring ease of movement and long service life. For use in the justice system, the doors can be fitted with high-security locks by various manufacturers.

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 per EN 1634-1 with individual case approval (test certificate available)
- 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 37 dB per DIN 52210 or EN ISO 717-1
- Note: Requirements can be combined on request
- 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 2.0 to 2.5 (dimension-dependent)
- 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 3000 mm
- With transom: height to 4000 mm
- From 1375 x 1750 mm to 3000 x 3000 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 ≥ 115 mm)
- Concrete (wall thickness ≥ 120 mm)
- Steel section
- Safety partitions, min. RC3

ATTACK SIDE

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

OPTIONAL EQUIPMENT

- High-security locks by various manufacturers with special screws
- Night or ring locking
- Glass panel
- Self-locking locks
- Electronic locks
- Door condition contacts, bolt contacts
- Revolving door drive
- Ventilation grilles
- Peepholes
- Safe-style hinges
- Special configurations to customer order