



Facades



Windows



Glass Roofs



Doors



Oversized
Doors



Louvres



Customized
Solutions

SOMMER

O.S.T[®]-2 RC4

Made in GERMANY



Water Tightness



Air Tightness



HEMP/LEMP/Lightning
Protection



Burglary Protection



Bullet Resistance



Fire Protection



Explosion Protection



Smoke Protection



Noise Protection



Blast Protection



CE Certification

... represents leading technology!

Comprehensive protection against explosion, burglary, bullets, fire and smoke.

Combinable requirements in customer specific dimensions.

Please contact us for further details.

SOMMER 
design & security

SOMMER O.S.T[®]-2 RC4

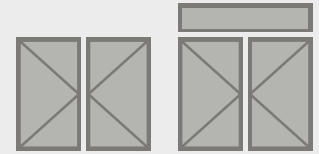
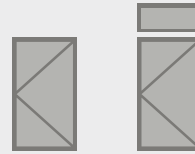
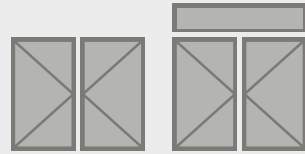
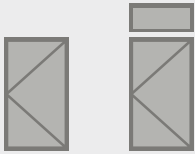
DESCRIPTION

With the sandwich construction from 1.5mm steel sheet or 2mm (STAR), the tight safety filling from mineral materials and the complete gluing the fully galvanized and primed door leaf offers a high torsion resistance and stability. As standard a corner frame from 2.5 mm thick, galvanized and primed steel sheet is used, alternatively block and surrounding frames are possible. The roll formed 3 part door hinges with roller bearings and protection against manipulation have been tested and approved for heavy loads and ensure ease of movement and long-term use.

TYPES

BASIC: mechanical multiple point lock
PLUS: self-locking multiple point lock

STAR: self locking multiple point lock



single leaf with/without top panel

double leaf with/without top panel

single leaf with/without top panel

double leaf with/without top panel

SIZE RANGE (SHELL DIMENSION)

from 625 x 1875 mm
up to 1260 x 2510 mm
with top panel:
up to 1260 x 3505 mm

from 1375 x 1875 mm
up to 2510 x 2510 mm
with top panel:
up to 2510 x 3505 mm

from 625 x 1875 mm
up to 1260 x 2630 mm
with top panel:
up to 1260 x 3505 mm

from 1375 x 1875 mm
up to 2510 x 2630 mm
with top panel:
up to 2510 x 3505 mm

further dimensions on request

FLOOR CONNECTIONS AND STRUCTURAL ATTACHMENTS

- standard connection flush ground
- connection with stop
- connection with drop-down seal
- connection with threshold
- masonry (wall thickness > 240 mm)
- concrete (wall thickness > 120 mm; for T90 > 140 mm)
- steel profiles

REQUIREMENTS

- burglary protection RC4 according to EN 1627
- fire protection T30, T90 according to DIN 4102 or EI₂60, EI₂120 according to EN 1634-1 (only for STAR)
- smoke protection according to EN 1634-3 (only for STAR)
- bullet resistance FB1 up to FB7 according to EN 1522
- blast protection resistance according to EN 13123
- sound insulation up to 47 dB according to DIN 52210 or EN ISO 717-1
- air permeability according to EN 12207
- compressive strength up to 150 mbar (single leaf) and 50 mbar (double leaf)
- shielding effectiveness up to 44 dB according to EN 50147
- thermal insulation U-value from 2.1 up to 2.7 W/m²K
- fire water and flood retention up to 1.9 m

OPTIONAL FEATURES

- glass panel (also for panic function)
- panic door design
- electrical security door opener
- door status contacts
- surface detection
- use of louvres (also for panic function)
- integration of door viewer (not available for panic function)
- hinges in safe design
- glass panel (also available for panic function)
- panic door design
- electrical security door opener
- safe lock
- closing sequence control
- door status contacts
- surface detection
- blocking element for the burglar alarm system