



Facades



Windows



Glass Roofs



Doors



Oversized
Doors



Louvres



Customized
Solutions

SOMMER

O.S.T[®]-1 RC3

Made in GERMANY



Water Tightness



Air Tightness



HEMP/LEMP/Lightning
Protection



Burglary Protection



Bullet Resistance



Fire Protection



Smoke Protection



Noise Protection



Blast Protection



CE Certification

... represents leading technology!

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

Combinable requirements in customized dimensions.

Please contact us for further details.

SOMMER 
design & security

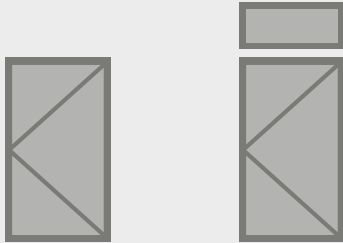
SOMMER O.S.T[®]-1 RC3

DESCRIPTION

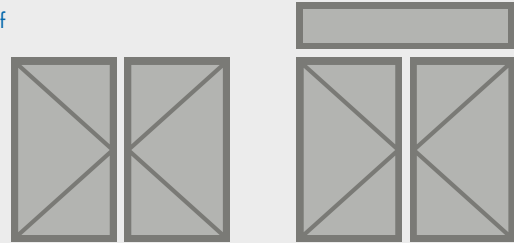
With the sandwich construction from 1.5 mm steel sheet, the tight safety filling from mineral materials and the complete gluing the fully galvanized and primed door leaf offers a high torsion resistance and stability. As standard a corner frame from 2.5 mm thick, galvanized and primed steel sheet is 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

single leaf



double leaf



SIZE RANGE (SHELL DIMENSION)

- from 625 x 1750 mm up to 1385 x 2755 mm
 - including top panel: up to 1385 x 3510 mm
- further dimensions upon request

- from 1375 x 1750 mm up to 2540 x 2755 mm
 - including top panel: up to 2540 x 3510 mm
- further dimensions upon request

FLOOR CONNECTION AND STRUCTURAL ATTACHMENT

- standard connection flush ground
- connection with stop
- connection with threshold
- connection with drop-down seal
- masonry (wall thickness > 115 mm)
- concrete (wall thickness > 120 mm)
- steel profiles
- safety partition walls

ATTACK SIDE

- hinge side (opening side)
- non-hinge side (locking side)

REQUIREMENTS

- burglary protection RC3 according to EN 1627
- fire protection T30, T90 according to DIN 4102 or EI260, EI2120 according to EN 1634-1
- smoke protection according to DIN 18095 or EN 1634-2
- bullet resistance FB1 up to FB7 according to EN 1522
- blast protection 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 attenuation up to 44 dB according to EN 50147
- thermal insulation U-value up to 2.5 W/m²K
- fire water and flood retention up to 1.9 m

OPTIONAL FEATURES

- glass panel (also available for panic function)
- panic door design
- electrical safety door opener
- self-locking locks
- electric locks
- door status contacts
- surface detection
- escape door locking
- swing door drives
- shunt lock or blocking element for the burglary alarm system
- use of louvre elements (also available for panic function)
- integration of door viewer (not available for panic function)
- hinges in the design of the safe