



Facades



Windows



Glass Roofs



Doors



Oversized
Doors



Louvres



Customized
Solutions

SOMMER

O.S.T[®]-2 RC5

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 RC5

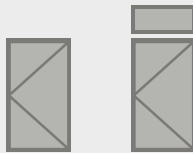
DESCRIPTION

With the sandwich construction from 1.5mm steel sheet or 2 mm (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 frame 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

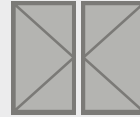
STAR: self-locking multiple point lock



single leaf with/without top panel



single leaf



double leaf

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 625 x 1875 mm
up to 1260 x 2630 mm

from 1375 x 1875 mm
up to 2510 x 2630 mm

further dimensions on request

FLOOR CONNECTIONS AND STRUCTURAL ATTACHMENTS

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

REQUIREMENTS

- burglary protection RC5 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 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 upto 150 mbar (single leaf) and 50 mbar (double leaf)
- shielding attenuation 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

- panic door design
- electrical security door opener
- door status contacts
- surface detection
- use of louvres
- block lock or blocking element for the burglar alarm system
- integration of door viewer (not available for panic function)
- panic door design
- electrical security door opener
- safe lock
- overhead door closer
- closing sequence device
- door status contacts
- blocking element for the burglar alarm system