



## B·S·T® EI90 exterior doors

### Effective protection against fire in the exterior wall with many options for property protection

SOMMER B·S·T® EI90 fire protection doors are tested according to European standards for fire protection and exterior doors and are CE-certified for use throughout Europe. The pressure-resistant infills in conjunction with a support structure and galvanised and painted 1.5 mm sheet steel with a door leaf thickness of 66 mm ensure the high dimensional stability and strength required for outdoor use, and enable a wide range of applications.

#### Highlights

- Properties for outdoor use per EN 14351-1 with CE marking
- Fire protection EI<sub>2</sub>90 C5 S<sub>a</sub> per EN 13501-2 with CE mark
- Intrusion resistance to RC4 per EN 1627
- Pressure wave resistance/explosion protection
- Ballistic resistance to FB4 per EN 1522
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Waterproof to 950 m water column

# B·S·T® EI90 exterior doors

## Technical data



### DESCRIPTION

SOMMER B·S·T® EI90 fire protection doors – opening to the outside or inside – are tested to EN standards and CE-certified. The galvanised and painted 1.5 mm sheet steel and leaf thickness of 66 mm in conjunction with pressure-resistant infills ensure high dimensional stability and strength.

The special requirements of an outside door are met:

- Different climate/distortion Class 2(d) / 2(e)
- Heat insulation  $U_g$  approx. 2.0 W/m<sup>2</sup>K (dimension-dependent)
- Downpour-proof to Class 8A (outside opening)
- Wind resistance to Class C5
- Air sealing to Class 4

### VERSION



1-leaf



2-leaf

### REQUIREMENTS

- Fire protection EI<sub>2</sub>90 C5 S<sub>a</sub> per EN 13501-2
- Properties for outdoor use per EN 14351-1
- Intrusion resistance to RC4 per EN 1627
- Pressure wave resistance to customer requirement
- Noise protection to 47 dB per DIN 52210 or EN ISO 717-1
- Ballistic resistance to FB4 per EN 1522
- Waterproof to 950 mm water column (1-leaf from opening side)

### SIZE RANGES (BASIC DIMENSIONS)

From 625 x 1750 mm to 1375 x 2510 mm

From 1375 x 1750 mm to 2520 x 2510 mm

### STRUCTURAL ATTACHMENTS

- Masonry (wall thickness  $\geq$  240 mm), 1 leaf  $\geq$  175 depending on the size
- Concrete (wall thickness  $\geq$  140 mm)
- Coated steel tube
- Even floor with drop-down seal (not impermeable to impact rain)
- Installation with stop seal

### OPTIONAL EQUIPMENT

- Glass panel ( $U_g = 3.0$ ), not approved in Germany
- Panic design (to RC4)
- Self-locking locks
- Electronic locks
- Aluminium or stainless steel handle fittings
- Stainless steel hinges
- Door condition and/or bolt contacts
- Escape door and man-trap locking