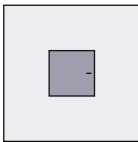
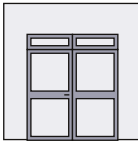
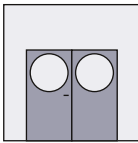
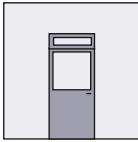
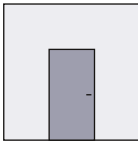


## Technical information



## Franzen ASN-1 / ASN-2 "System Schröders"

**External steel door  
according to DIN EN 14351-1  
single leaf (ASN-1) and double leaf (ASN-2)**



## Performance characteristics

**CE-marked**

**Thermal transmittance**

UD-value  $\geq 1,2 \text{ W}/(\text{m}^2\text{K})$  acc. to EN ISO 10077-1

**Combinable with additional performance characteristics:**

**Air tightness (optional)**

up to class 4 acc. to EN 12207 (up to 600 Pa)

**Resistance to wind load (optional)**

up to class C5 (up to 2,000 Pa) acc. to EN 12210

**Watertightness (optional)**

up to class 8A acc. to EN 12208

**Resistance to positive and negative pressure (optional)**

up to 5.000 Pa acc. to DIN EN 12211

**Behaviour between different climates (optional)**

class 2 (d + e) acc. to EN 12219 (deflection)

**Ability to release (optional)**

acc. to DIN EN 14351-1 proven for doors in escape and rescue routes

**Flush with surface (optional)**  
flush-mounted design FLAT

**Explosion protection (optional)**  
for installation in potentially explosive areas

**Performance characteristics combinable with further Franzen door types "System Schröders":**

**Fire resistance (optional)**

El<sub>2</sub>90, El<sub>2</sub>60, El<sub>2</sub>30 tested acc. to EN 1634-1 (e.g. fire door Franzen TSN-3)

**Smoke control (optional)**

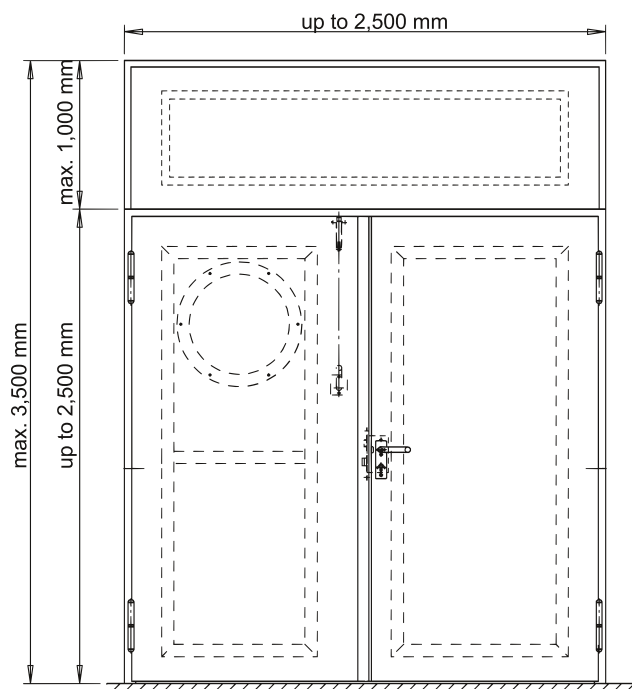
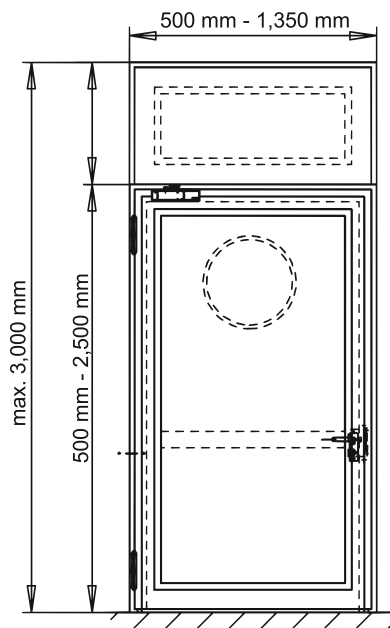
S<sub>a</sub> / S<sub>200</sub> tested acc. to EN 1634-3 (e.g. fire door Franzen TSN-4)

**Burglar resistance (optional)**

up to RC4 acc. to DIN EN 1627 ff (e.g. burglar resistance door Franzen ESN-2)

**Acoustic performance (optional)**

up to RW (C;Ctr) = 53 (-1;-5) dB acc. to EN ISO 10140-1 / EN ISO 10140-2 / EN ISO 717 (e.g. acoustic performance door Franzen SN-1)



## Technical data

### Dimensions single leaf (basic dimensions)

for performance characteristic airtightness, wind load resp.

positive and negative pressure limited to

width	from	500 mm	up to 1,350 mm
height	from	500 mm	up to 2,500 mm
with overhead panel	overall height		max. 3,000 mm
	height overhead panel		max. 1,000 mm

### Dimensions double leaf (basic dimensions)

for performance characteristic airtightness, wind load resp.

positive and negative pressure limited to

width			up to 2,500 mm
height			up to 2,500 mm
with overhead panel	overall height		max. 3,500 mm
	height overhead panel		max. 1,000 mm

### Overhead panel

optional with fixed overhead panel

### Door leaf

leaf thickness 68 mm to 69 mm - smooth double-walled

plate thickness 1.0 mm to 1.5 mm

thin rebate design

optional thick rebate design

### Frame

frame system "ZNG" or "ZG" (see installation variants)

seal type depending on performance characteristic

elastic rubber seal

silicone seal

corner frame

optional enclosing frame

optional block frame

### Floor seal

depending on performance characteristic

without seal

lowerable floor seal

stop seal

### Glas inset (optional)

glass dimensions and -form variable

minimum frieze width: 90 mm

optional with port-hole (ø ca. 450 mm clear view)

optional in overhead panel

glass inset bars with concealed screw connection (for rectangular glass inset)

### Hinges

2/3-part KO door hinges

with patented easy-running bearings as easy running doors

optional door hinge with 3D adjustment

### Fittings

various fittings possible

### Locking

various locking systems possible

profile cylinder prepared (cylinder on-site)

### Self-closing single leaf (optional)

door closer acc. to DIN EN 1154

optional spring hinge for smaller doors / flaps

### Self-closing double leaf (optional)

both leafs with door closer acc. to DIN EN 1154 resp. EN 1155

with door closing sequence control acc. to EN 1158

### Installation

in masonry

in concrete

in aerated concrete

in mounting walls

in custom walls

optional blunt installation in soffit

optional installation on the wall plate

### Marking

CE-marking acc. to DIN EN 14351-1

### Optional

sock control

automated opening

motor locks (also in 3-way locking)

powder coating in RAL colours

prison cell doors (special locking and food flap)

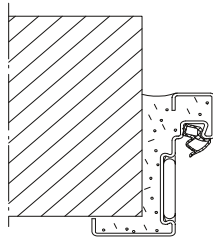
special solutions according to request and customer

requirements

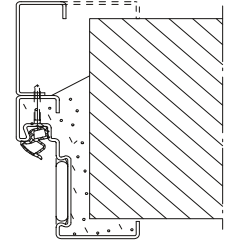
# Installation variants

**Installation in**

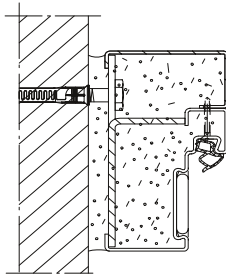
masonry /  
concrete



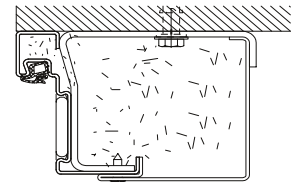
**corner frame**  
corner frame with  
supplementary frame



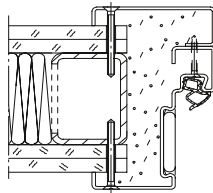
masonry /  
concrete



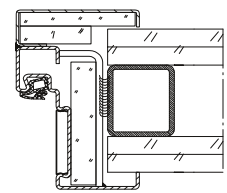
**block frame**  
corner frame with  
supplementary frame



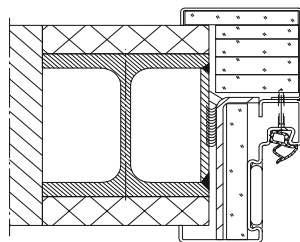
mounting walls



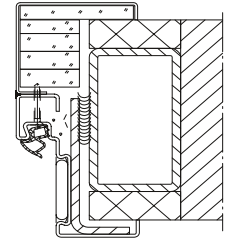
**enclosing frame**  
corner frame with  
supplementary frame



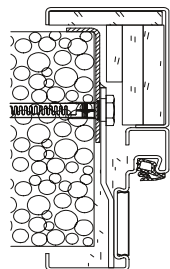
steel columns /  
steel supports



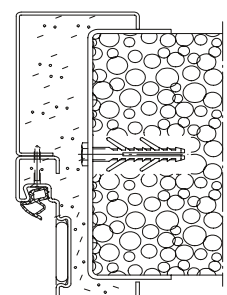
**enclosing frame**  
corner frame with  
supplementary frame



aerated concrete



**enclosing frame**  
corner frame with  
supplementary frame



**FRANZEN**  
Feuerschutztüren