



# Fire-Resistant Steel Door

## EI<sub>2</sub>30-C5-S<sub>a</sub> „Teckentrup 62“ 2lvs. Outside door

Fire-resistant as outside door - classification with CE-labelling (acc. to 16034 / 14351-1)

### Text example:

EI<sub>2</sub>30-C5-S<sub>a</sub> classification fire-resistant closure as outside door with CE-labelling (acc. EN 16034 / 14351-1). Double-leaf door element. Type of handling DIN right. Flush door leaf with thin rebate, 62 mm thick, rebated on 3 sides. Corner frame 1.5 mm thick with 3-sided seal, without floor recess. Door leaf and frame galvanized and prime coated similar to RAL 9002 (Grey white). Mortise lock with latch lever in accordance with DIN 18250, prepared for profile cylinder. FP round handle set black (plastic). Handle pivoted on bearing, with tumbler insert (Bb) and 1 Bb key. Inactive leaf with espagnolette bolt lock with standard top locking. Per leaf 2 CO hinges with ball bearing and 1 top door closer in acc. to EN 1154.1 Door selector. „Teckentrup 62“ or equivalent.

(Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 01.06.2023)

### Technical data

<b>Classification</b>	EI <sub>2</sub> 30-C5-S <sub>a</sub> Classification fire-resistant closure as outside door with CE-labelling (acc. EN 16034 / 14351-1)	
<b>Resistance to water penetration</b>	Depends on the desired floor closure ( <b>thin rebate</b> )	Class 6A
<b>Heat insulation acc. EN ISO 10077-1</b> (without glazing)	Sheet thickness: 1,0 mm thin rebate 1,0 mm thick rebate in conjunction with lower floor closure / without glazing	U <sub>D</sub> = 1,4 W/m <sup>2</sup> K U <sub>D</sub> = 1,2 W/m <sup>2</sup> K
<b>Wind load resistance EN 12210</b>	Depends on the desired floor closure Class 2 (thin rebate)	
<b>Differential climate behaviour</b>	climate class	2(d) / 2(e)
<b>Installation in</b>	<ul style="list-style-type: none"> <li>Masonry wall min. 115 mm</li> <li>Concrete wall min. 100 mm</li> <li>Aerated concrete                             <ul style="list-style-type: none"> <li>- Autoclaved aerated concrete min. 115 mm</li> <li>- Reinforced AAC walls min. 115 mm</li> </ul> </li> </ul>	
<b>Approved dimensions</b> (thin rebate)	Modular dimension with top casing up to	W 1375 - 3000 mm H 1750 - 4000 mm H 4250 mm
<b>Approved dimensions</b> (thick rebate)	Modular dimension with top light/ top casing up to	W 1375 - 3000 mm H 1750 - 3500 mm H 3750 mm
<b>Type of handling</b>	DIN right or DIN left	
<b>Door leaf</b>	Double skinned, Door: Thin rebate door: Sheet thickness: Security bolt:	<b>thin rebate, thick rebate</b> 3-sided rebated 62 mm 1,0 mm per leaf min. 1
<b>Frame</b>	<ul style="list-style-type: none"> <li>Corner frame 1.5/2.0 mm thick</li> <li>Door 3-sided with seal</li> <li>Door without floor recess fitted</li> <li>Fastening by exposed masonry mounting</li> </ul> Special equipment: <ul style="list-style-type: none"> <li>Block-, counter- or closed frame</li> <li>Frame with floor recess fitted</li> </ul>	
<b>Floor closure</b>	<ul style="list-style-type: none"> <li>Retractable bottom seal</li> <li>Sliding threshold</li> <li>Buffer strip and seal</li> </ul> Floor seal retrofittable.	
<b>Surface</b>	Door leaf/Frame galvanized and prime coated, similar to RAL 9002 (Grey white) Special equipment: <ul style="list-style-type: none"> <li>RAL of choice</li> </ul>	
<b>Fittings</b>	Active leaf: <ul style="list-style-type: none"> <li>Mortise lock prepared for profile cylinder</li> <li>FP round handle set (plastic). Handle pivoted on bearing, with tumbler (Bb) insert and 1 Bb key</li> </ul> Inactive leaf: <ul style="list-style-type: none"> <li>Espagnolette bolt lock with standard top and bottom locking</li> </ul>	
<b>Hinges and closing devices</b>	<ul style="list-style-type: none"> <li>Per leaf 2 CO hinges with ball bearings and 2 top door closer</li> <li>1 door selector</li> </ul>	
<b>Glazing</b>	Fire resistant glass, clear F30 type 2-0, angular glazing with aluminium glass holding strips. Max. clear size 844 x 2090 mm. Round glazing (Ø 300, 400 and 500 mm) with steel glass holding strips galvanized and prime-coated, grey-white similar to RAL 9002. Special equipment: <ul style="list-style-type: none"> <li>Rectangular glazing, aluminium glass holding strips in stainless steel design / rectangular/ round glazing stainless steel glass holding strips</li> </ul>	
<b>Required for doors für outside use:</b>	<ul style="list-style-type: none"> <li>Floor closure</li> <li>Rain guard top (necessary if no roof/canopy existing)</li> <li>Weather board at the bottom (recommended)</li> <li>Profile cylinder (recommended)</li> </ul>	
<b>Special equipment</b>	<ul style="list-style-type: none"> <li>Handle sets/lever/knob sets:                             <ul style="list-style-type: none"> <li>- Plastic</li> <li>- Light metal</li> <li>- Stainless steel</li> <li>- With short plate or rose escutcheon (various makes)</li> </ul> </li> <li>Prepared for rose escutcheon</li> <li>Panic bar</li> <li>Locks                             <ul style="list-style-type: none"> <li>- Anti-panic locks (self-locking) with lever   panic bar   panic push bar</li> </ul> </li> <li>Profile cylinder 40.5 + 40.5 mm (thin rebate)</li> <li>Profile cylinder 45.5 + 35.5 mm (thick rebate)</li> <li>Top door closer                             <ul style="list-style-type: none"> <li>- hinge/opposite hinge side</li> <li>- with slide rail</li> <li>- with hold-open device</li> </ul> </li> <li>Electric door opener</li> <li>Lock control (bolt contact) integrated</li> <li>open indicator (reed contact) integrated</li> </ul>	
<b>Standard sizes</b>	<b>Ordering dimensions / modular dimensions</b> width x height	<b>Clear passage sizes</b> (corner frame) width x height
	1500 x 2000	1416 x 1958
	2125	2083
	1750 x 2000	1666 x 1958
	2125	2083
	2000 x 2000	1916 x 1958
	2125	2083
	2500	2458
	2125 x 2125	2041 x 2083
	2250 x 2250	2166 x 2208
	2500 x 2500	2416 x 2458

(Special sizes: from 1375 x 1750 mm to 3000 x 4000 mm)

**Further qualifications**  
(Special equipment):



**Smoke proof**  
in accordance with EN 1634-3 with top door closer, for solid walls



**Sound insulated in accordance with**  
EN 20140/717-1  
up to **RW 42 dB** (thin rebate)  
up to **RW 42 dB** (thick rebate)  
depending on door structure and bottom seal



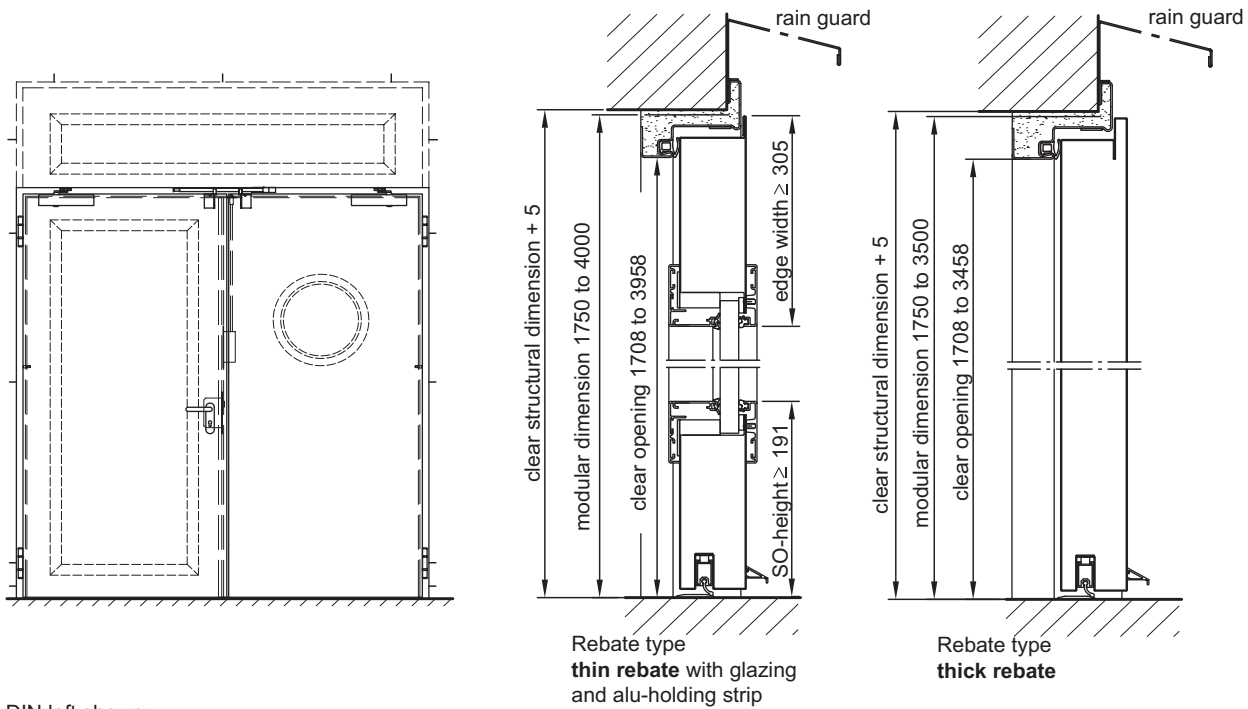
**Burglar resistant** in acc. with 1627 -  
**RC 2, RC 3, RC 4** (thin rebate)  
**RC 2, RC 3** (thick rebate)



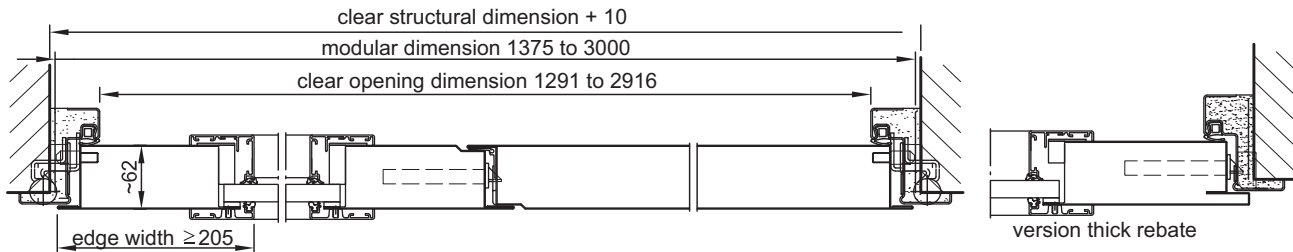
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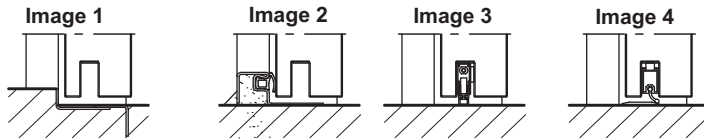


DIN left shown;  
DIN right laterally reversed



#### Floor connections:

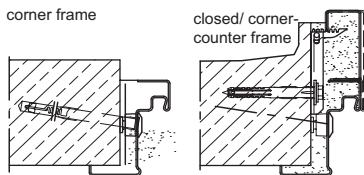
- Image 1: with bottom buffer
- Image 2: with bottom buffer/seal
- Image 3: with retractable bottom seal (smoke-proof door with top door closer)
- Image 4: with sliding threshold seal



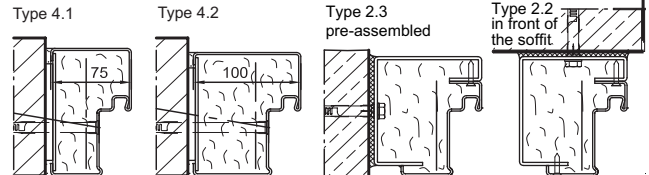
#### Installation in masonry/ concrete walls

concrete walls ≥ 100 mm  
masonry walls ≥ 115 mm

#### Exposed masonry mounting



#### Flush edge installation



#### Installation in autoclaved aerated concrete walls

(doors with top door closer)  
Made of auto. aerated concrete blocks or reinforced auto. aerated concrete thickness min. 115 mm

#### Exposed masonry mounting

