

ALL TYPES OF FRAMES**CERTIFICATES**→ **Certified for internal application**

1. Certificate of Constancy of Performance 1322-CPR-52206003 (IBS Austria) referring to European Technical Assessment ETA-22/0324
2. Certificate of Constancy of Performance AC 158-UWB_W1154 referring to National Technical Assessment KOT-2017/0156 rev. 4

→ **Certified for external application**

Certificate of Constancy of Performance
2268-CPR-477 (KIWA)

Complemented with relevant Declaration of Performance→ **Certified also by:**

Efectis France, Efectis Nederland,
Kiwa Inspecta UAB in Lithuania

DOOR MANUFACTURED TO CUSTOMER ORDER**STANDARD**

- door leaf constructed of 2 steel skins 0.75 mm, edge rebated 18 x 18 mm total thickness 65 mm; reinforced for door closer application on both sides
- corner type door frame of extruded aluminum, 2.5-3.0 mm; fitted with perimeter rubber gasket and intumescent fire gasket
- door leaf inlet composed of rockwool; weight of door 26 kg/m² (one leaf door), 30 kg/m² (double leaf door)
- finish: PPC, palette RAL (258 colours, except signal ones)
- 2 pcs of hinges, non-regulated, stainless steel
- DIN-standard lock, PZ 72 mm, backset 65 mm
- stainless steel lever handle-handle set, U-form, on long shield
- PZ cylinder, 3 keys
- 2 pcs of safety pins (in case of 3 hinges – 1 pc of safety pin)
- flush bolt in astragal of passive leaf (double leaf door)
- temporary-affixed steel bar threshold – for transportation only

ALTERNATIVE EQUIPMENT

- door frame: block, embracing (optionally with thermal break) or other type
- hinges regulated 3D (up/down, left/right, depth)

ADDITIONAL EQUIPMENT

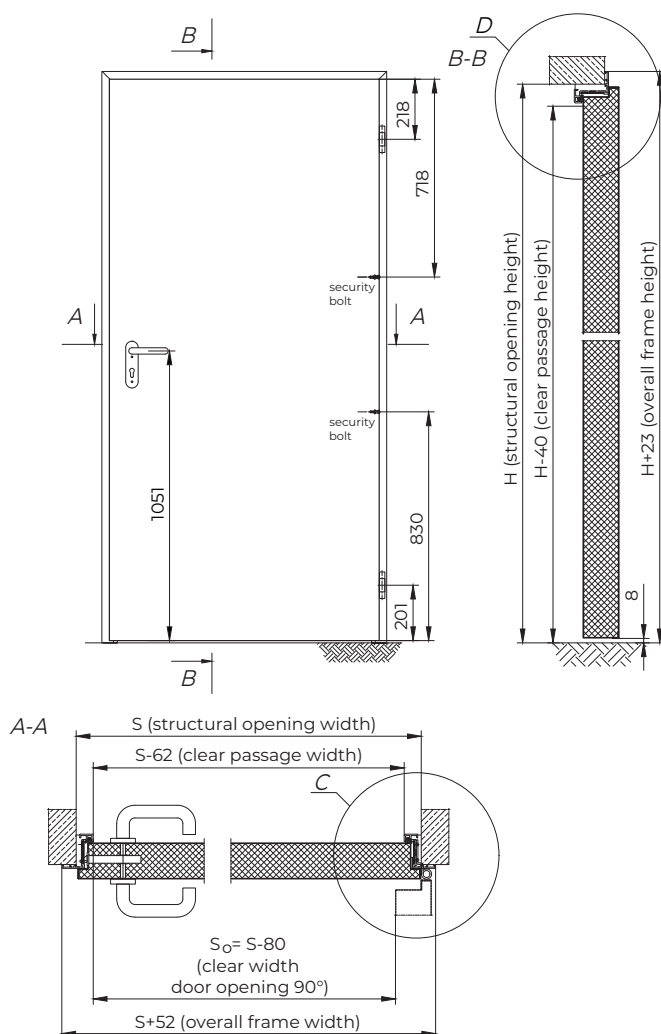
- multipoint locks, panic locks, solenoid and motor
- ironmongery: knobs, panic bars, pull bars
- electric strike plates, magnet locks, magnet contacts
- glass vision panel, rectangular or round, single or double glass
- fire rated ventilation grill
- smoke resistant gasket (S_{a4}, S₂₀₀)
- automatic dropping gasket
- rain drip cap on door frame and/or on lower part of door leaf
- door closers
- alternative equipment and other door features on request

TECHNICAL PARAMETERS

- basic features
 - mechanical resistance: class 3 (optional up to 4) according to standard EN 1192
 - mechanical durability: class 5 according to standard EN 16034 (200 000 cycles)
 - corrosion class: C3 (optional C5) according to standard EN ISO 12944
 - ability to release: confirmed
- optional: other classifications
- other functional features – according to relevant Declaration of Performance

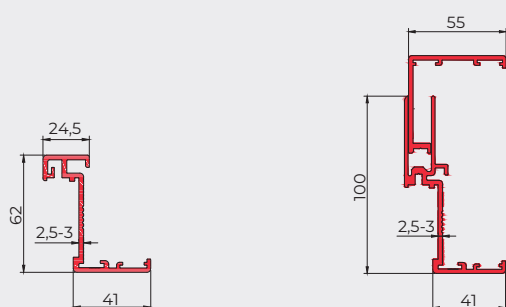
CORNER AND EMBRACING FRAME

→ front view and cross section



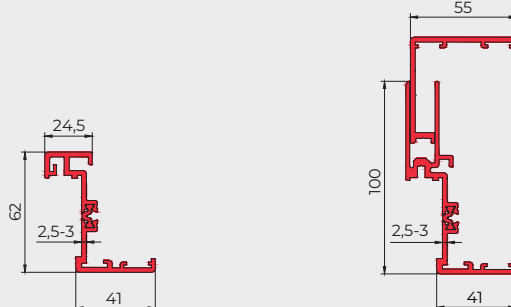
range of equipment
and necessary wall
treatment (cut-outs)
**are shown
on separate data
sheets**

→ calculation of wall opening versus clear opening is the same for corner and embracing door frames:



→ corner aluminium frame

→ embracing aluminium frame



→ corner aluminium frame
with thermal break

→ embracing aluminium frame
with thermal break

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

corner frame	without thermal break	0,92
	with thermal break	0,92
wall embracing frame	without thermal break	1,2
	with thermal break	1,1

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

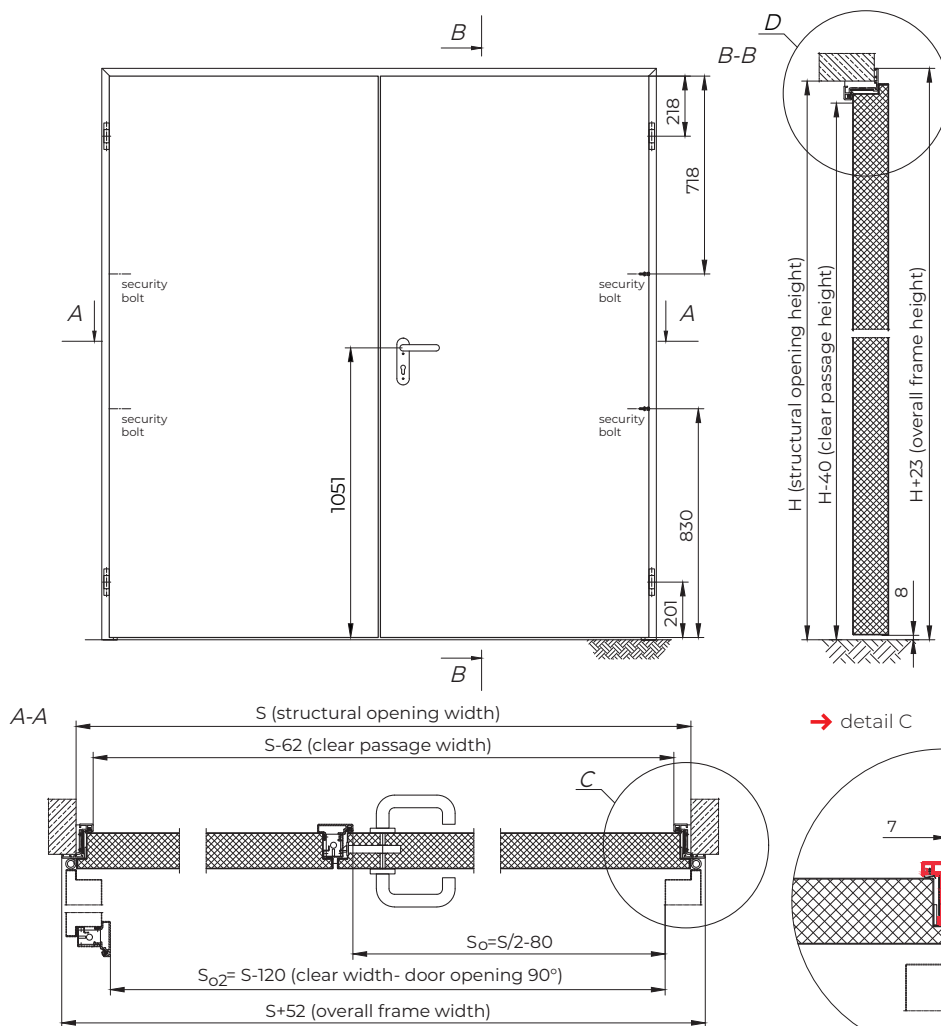
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	35 (-1; -5)
door with glass vision panel	34 (-2; -4)

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

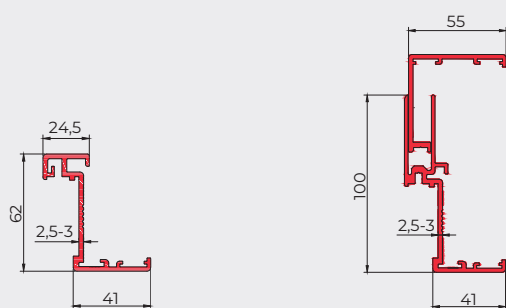
CORNER AND EMBRACING FRAME

→ front view and cross section



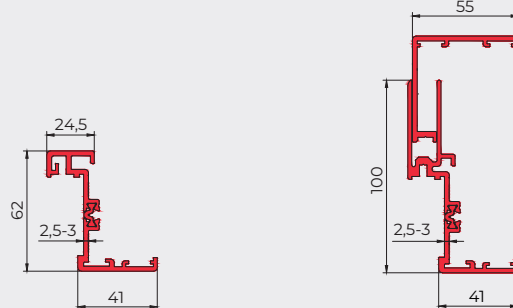
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→ corner aluminium frame

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→ corner aluminium frame
with thermal break

→ embracing aluminium frame
with thermal break

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

corner frame	without thermal break	1,1
	with thermal break	1,1
wall embracing frame	without thermal break	1,2
	with thermal break	1,2

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

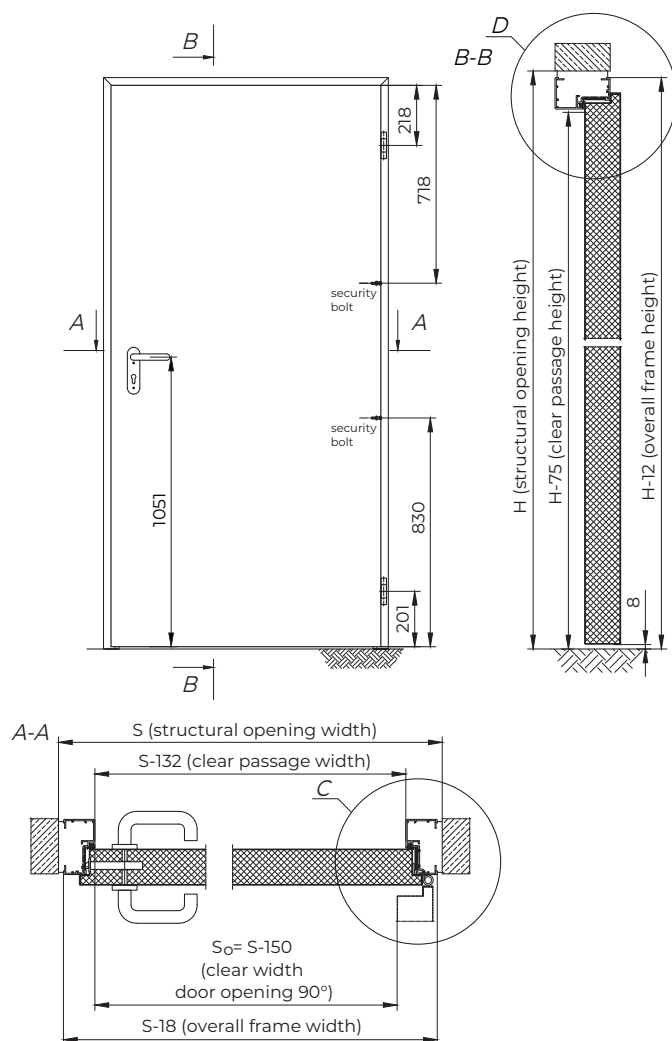
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	36 (-1; -3)
door with glass vision panel	n.p.d.

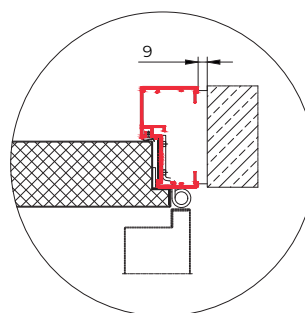
- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

BLOCK FRAME

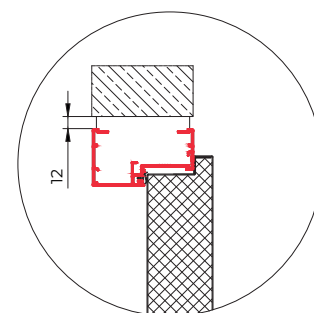
→ front view and cross section



→ detail C

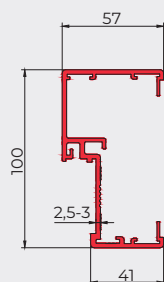


→ detail D

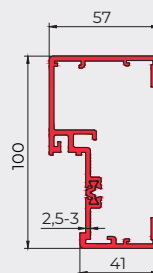


range of equipment
and necessary wall
treatment (cut-outs)
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→ calculation of wall opening versus clear opening is the same for the block frames:



→ block aluminium frame



→ block aluminium frame
with thermal break

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

block frame	without thermal break	1,6
	with thermal break	1,2

- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

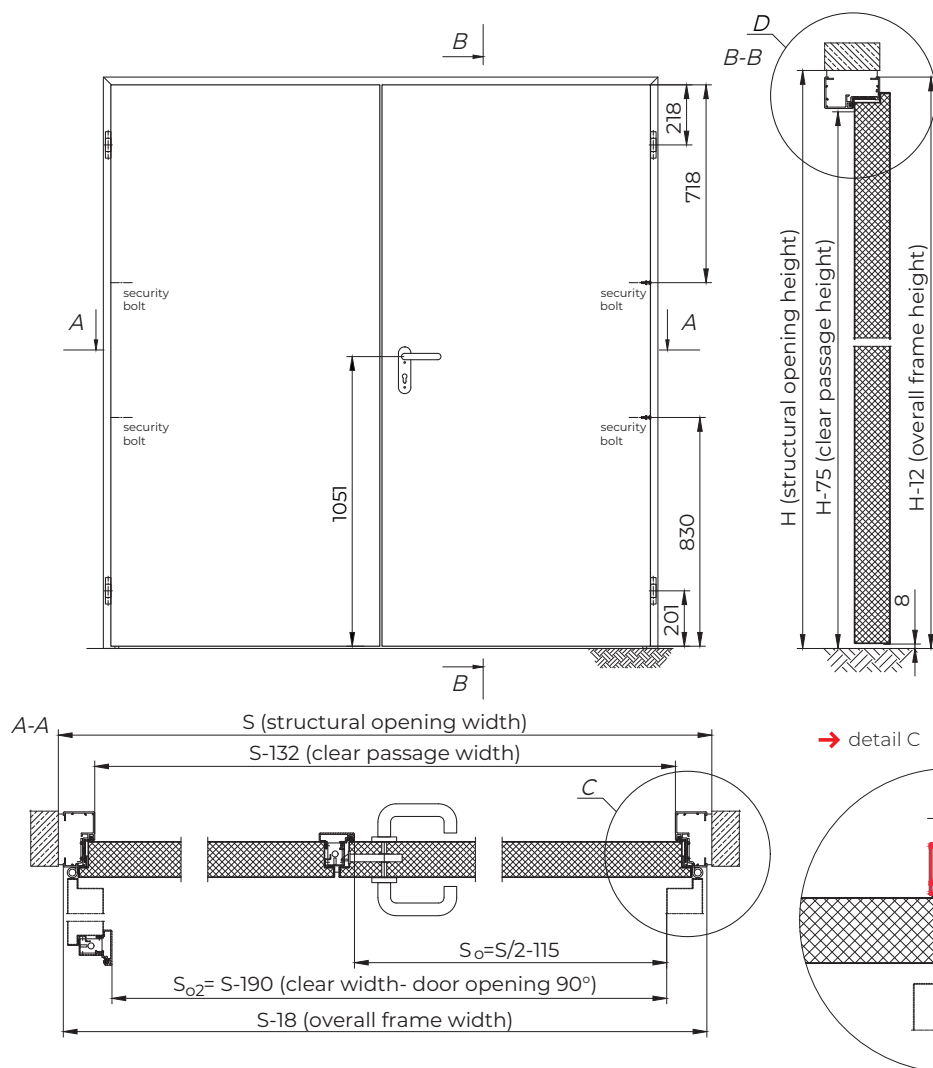
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	35 (-1; -5)
door with glass vision panel	34 (-2; -4)

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

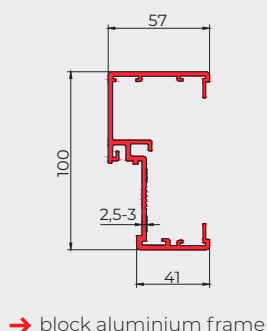
BLOCK FRAME

→ front view and cross section

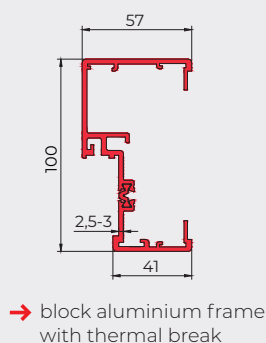


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→ calculation of wall opening versus clear opening is the same for the block frames:



→ block aluminium frame



→ block aluminium frame
with thermal break

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

block frame	without thermal break	1,4
	with thermal break	1,3

- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

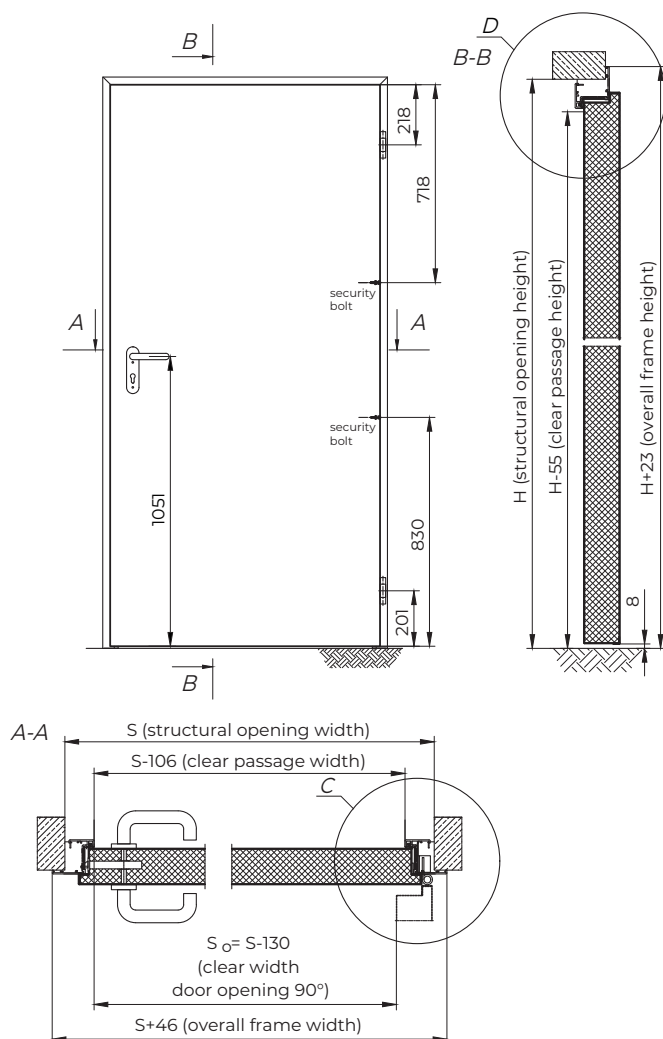
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	36 (-1; -3)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

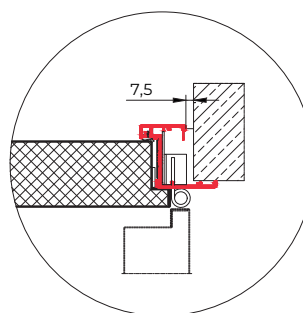
HYBRID FRAME (60N)

→ front view and cross section

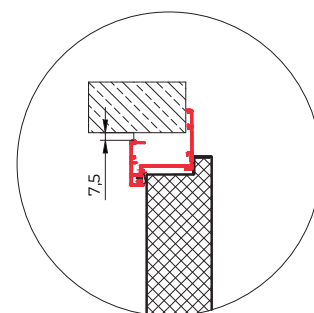


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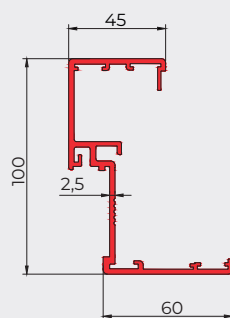
→ detail C



→ detail D



→ calculation of wall opening versus clear opening for the hybrid door frames:



→ hybrid aluminium frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

hybrid frame	without thermal break	1,2
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- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

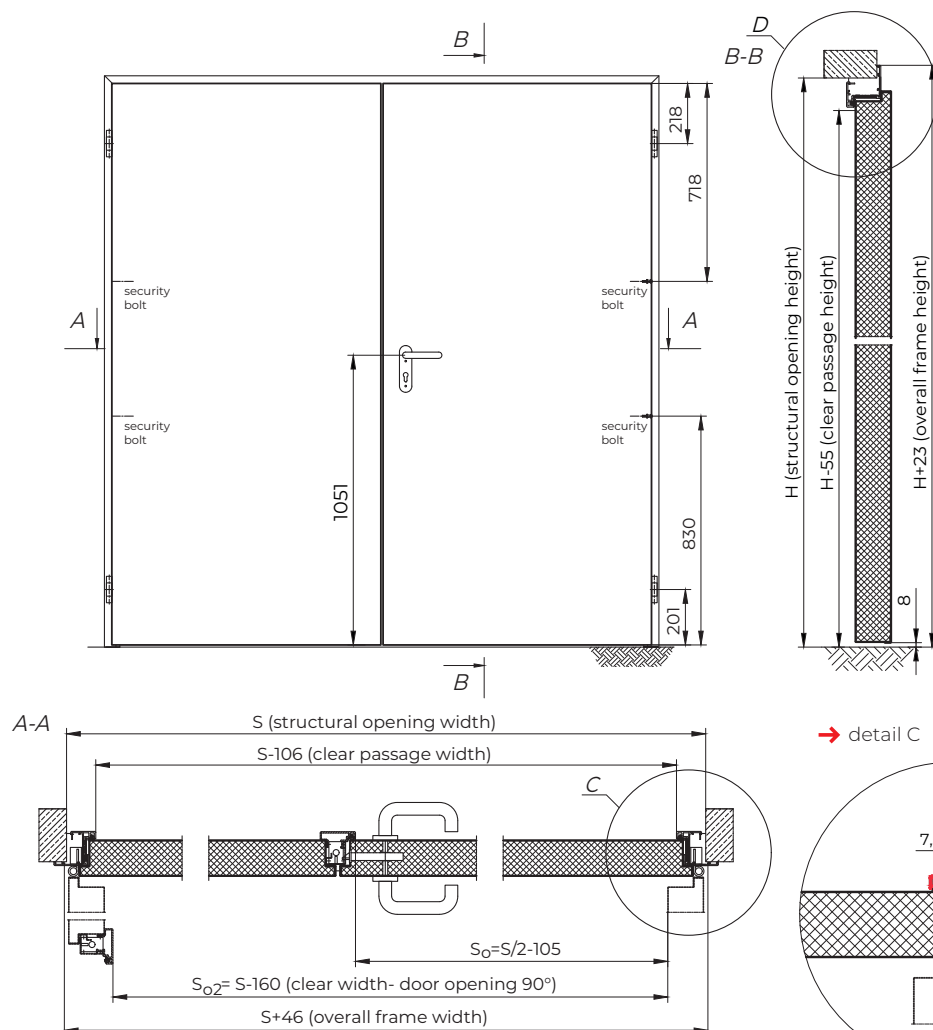
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	35 (-1; -5)
door with glass vision panel	34 (-2; -4)

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

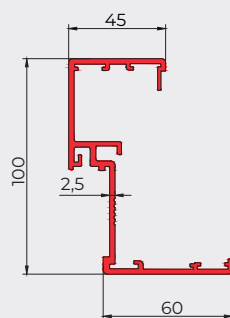
HYBRID FRAME (60N)

→ front view and cross section



range of equipment
and necessary wall
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→ calculation of wall opening versus clear opening for the hybrid door frames:



→ hybrid aluminium frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

hybrid frame	without thermal break	1,3
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- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

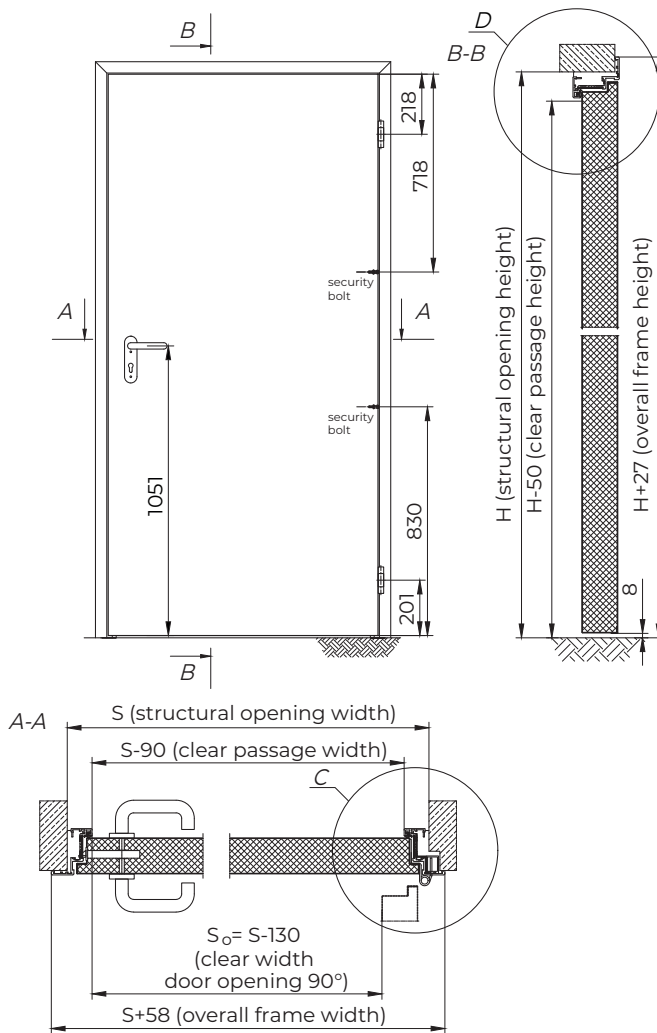
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	36 (-1; -3)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

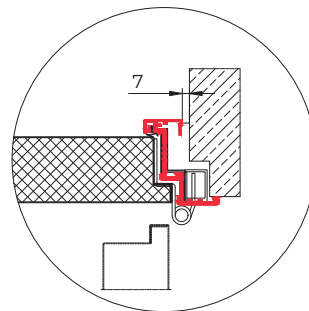
CORNER AND EMBRACING FRAME with hidden rebate (HP)

→ front view and cross section

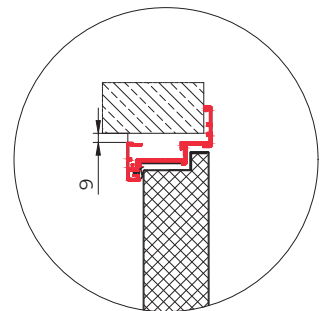


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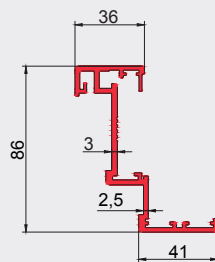
→ detail C



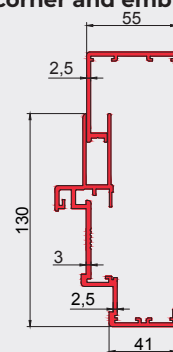
→ detail D



→ calculation of wall opening versus clear opening is the same for the corner and embracing frames:



→ corner aluminium frame
for doors with hidden rebate



→ embracing aluminium frame
for doors with hidden rebate

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

corner HP frame	without thermal break	0,92
wall embracing HP frame	without thermal break	1,2

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

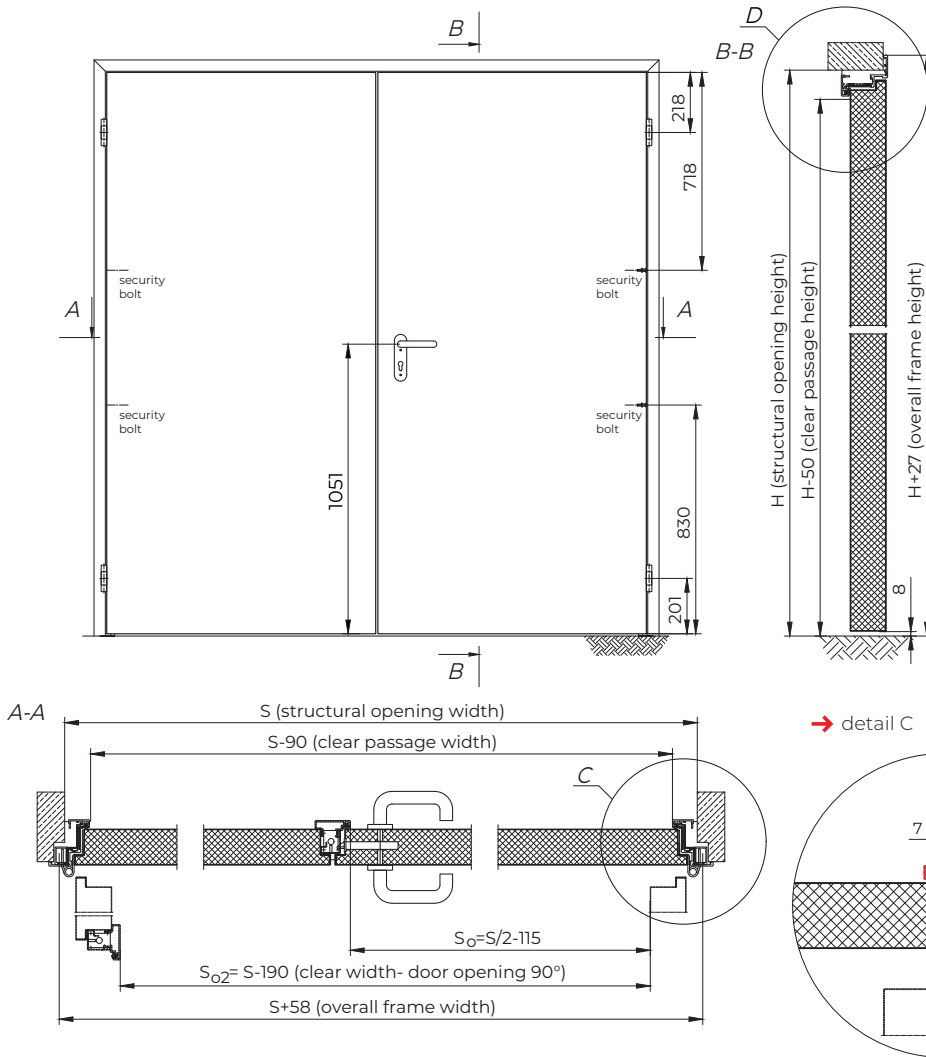
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	35 (-1; -5)
door with glass vision panel	34 (-2; -4)

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

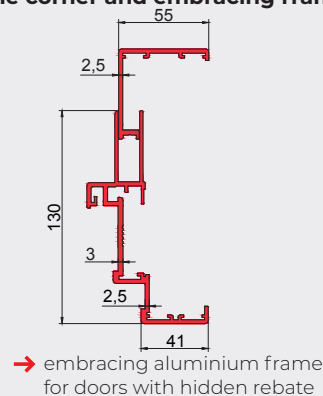
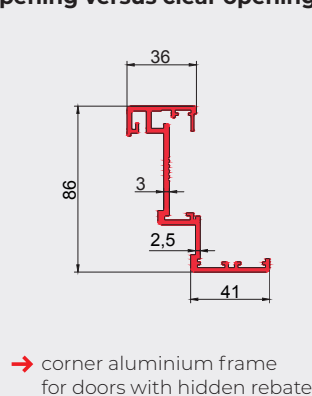
CORNER AND EMBRACING FRAME with hidden rebate (HP)

→ front view and cross section



range of equipment
and necessary wall
treatment (cut-outs)
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→ calculation of wall opening versus clear opening is the same for the corner and embracing frames:



NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

corner HP frame	without thermal break	1,1
wall embracing HP frame	without thermal break	1,2

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

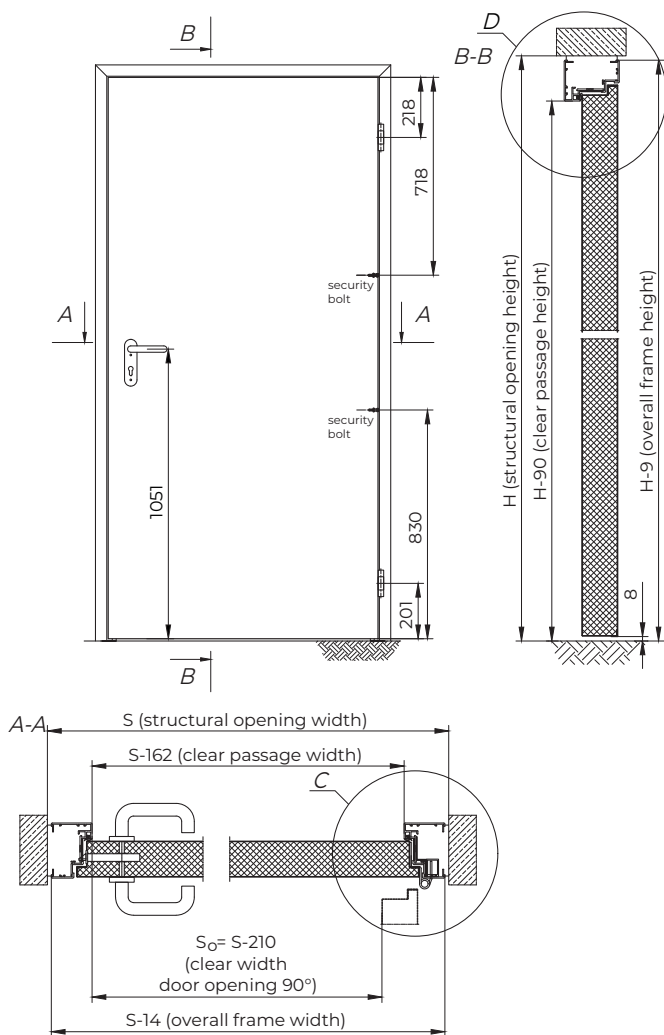
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	36 (-1; -3)
door with glass vision panel	n.p.d.

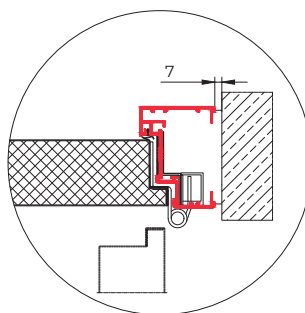
- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

BLOCK FRAME with hidden rebate (HP)

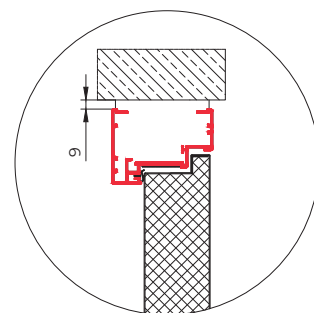
→ front view and cross section



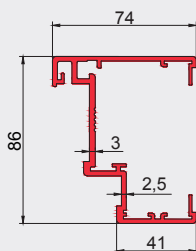
→ detail C



→ detail D



→ calculation of wall opening versus clear opening for the block frames with hidden rebate:



→ block aluminium frame
for doors with hidden rebate

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

block HP frame	without thermal break	1,6
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- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

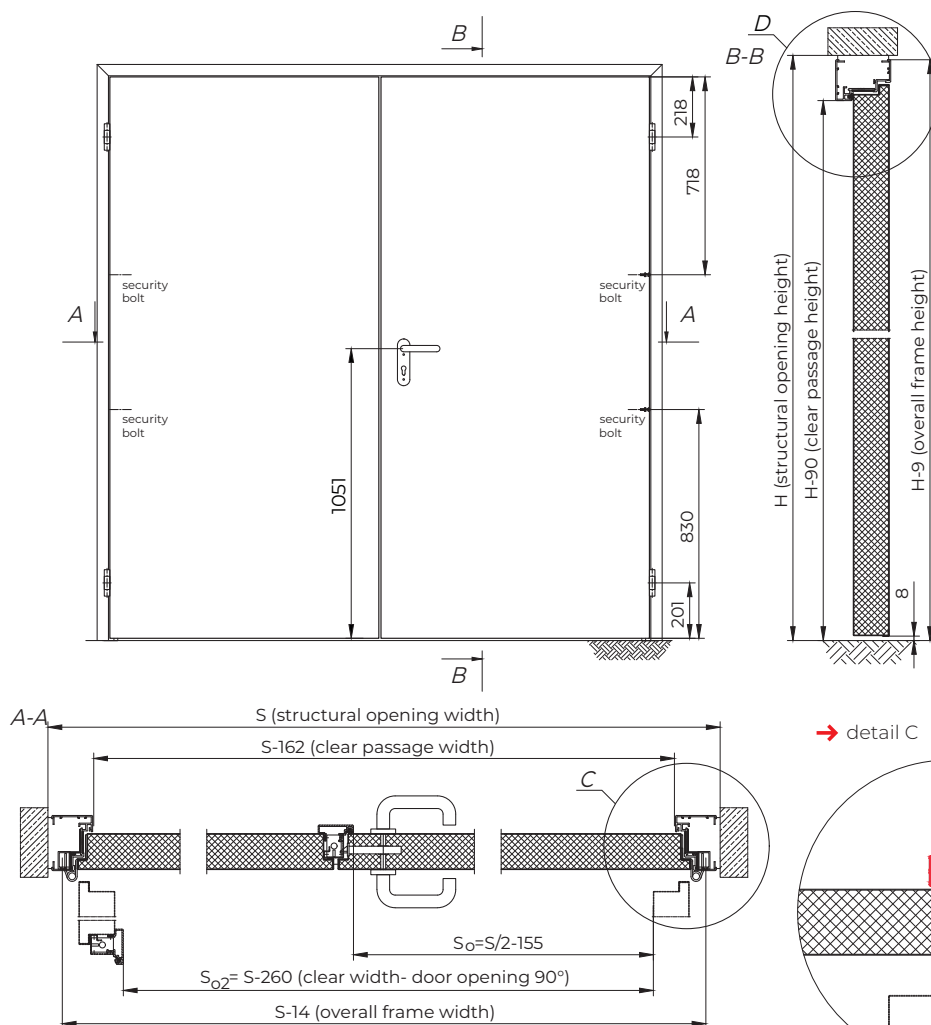
→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	35 (-1; -5)
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BLOCK FRAME with hidden rebate (HP)

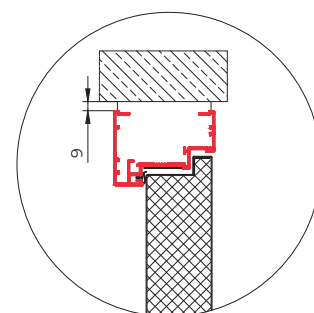
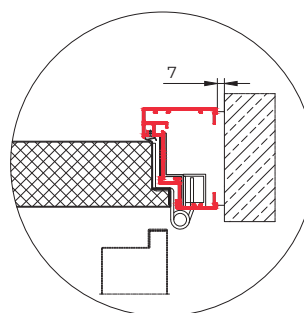
→ front view and cross section



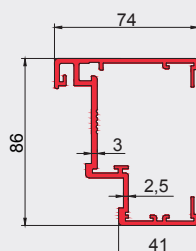
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→ detail C

→ detail D



→ calculation of wall opening versus clear opening for the block frames with hidden rebate:



→ block aluminium frame
for doors with hidden rebate

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ heat transfer coefficient Ud [W/m²K]

block HP frame	without thermal break	1,4
-------------------	-----------------------	-----

- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

→ acoustic insulation coefficient

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	36 (-1; -3)
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- automatic dropping gasket obligatory for acoustic doors
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- glazing type and dimensions according to the relevant DoP