ALL TYPES OF FRAMES

CERTIFICATES

→ **Certified for internal application**

1. National Certificate of Constancy of Performance AC 158-UWB-W3043 (Certbud)

→ **Certified for external application**

1. Certificate of Constancy of Performance 2310-CPR-W3042 (Certbud)

Complemented with relevant Declaration of Performance

→ **Certified for burglary resistance**

Classification of Parameters MLTB-RC-5463-2025

DOOR MANUFACTURED TO CUSTOMER ORDER

STANDARD

- door leaf constructed of 2 steel skins 0.9 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; and reinforced with steel sub-construction against break-down, weight of door 40 kg/m^2
- finish: PPC, palette RAL (258 colours, except signal ones)
- 2 pcs of hinges, regulated 3D, stainless steel (special version RC3)
- multipoint lock, PZ 92 mm, backset 65 mm
- reinforced stainless steel lever handle-handle set U-form on long shield; tested against burglary
- PZ cylinder class 6C according to EN 1303, 6 keys,
- minimum 6 of safety pins per leaf
- flush bolt in astragal of passive leaf (double leaf door)
- temporary-affixed steel bar threshold – for transportation only
- 2 pcs of automatic dropping gasket

ALTERNATIVE EQUIPMENT

- door frame : block, embracing (optionally with thermal break) or other type

ADDITIONAL EQUIPMENT

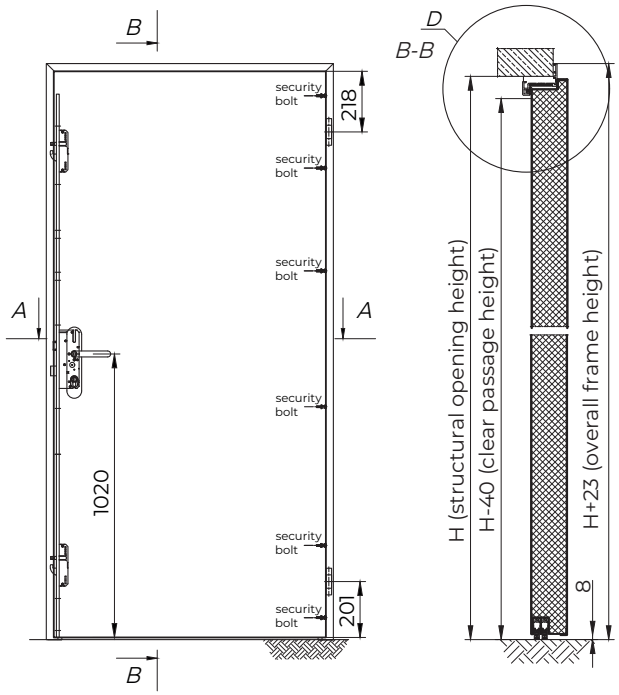
- multipoint locks: panic locks, solenoid and motor
- ironmongery: knobs, panic bars,
- electric strike plates, magnet locks, magnet contacts
- glass vision panel, rectangular
- peep hole
- smoke resistant gasket (S_{a4}, S_{200})
- rain drip cap on door frame and/or on lower part of door leaf
- choice of door closers
- alternative equipment and other door features on request

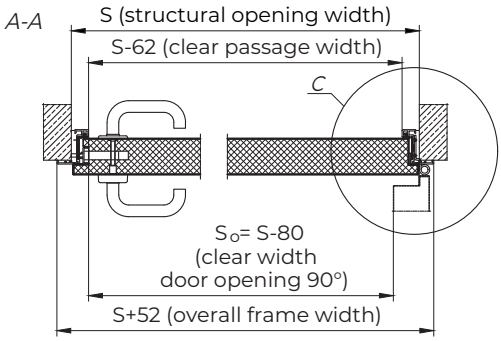
TECHNICAL PARAMETERS

- classified RC3 according to EN 1627
- basic features
  - mechanical resistance: class 3 according to standard EN1192
  - mechanical durability: class 5 according to standard EN16034 (200 000 cycles)
  - corrosion class: C3 (optional C5) according to standard EN ISO 12944-2:1018-02
  - ability to release: confirmed
- other functional features: according to relevant Declaration of Performance

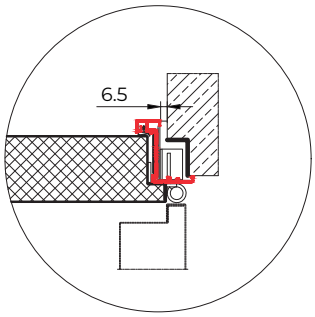
CORNER AND EMBRACING FRAME

→ front view and cross section

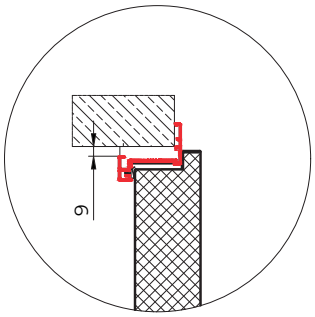




→ detail C

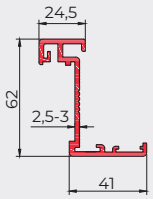


→ detail D

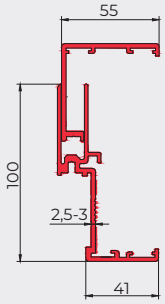


range of equipment and necessary wall treatment (cut-outs) **are shown on separate data sheets**

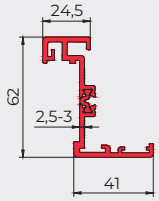
→ **calculation of wall opening versus clear opening is the same for corner and embracing door frames:**



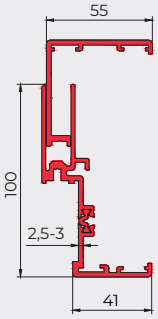
→ corner aluminium frame



→ 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	n.p.d.
	with thermal break	1,3
wall embracing frame	**without** thermal break	n.p.d.
	with thermal break	n.p.d.

- automatic dropping gasket obligatory
- U value not calculated for doors equipped with glass vision panel

→ **acoustic insulation coefficient**

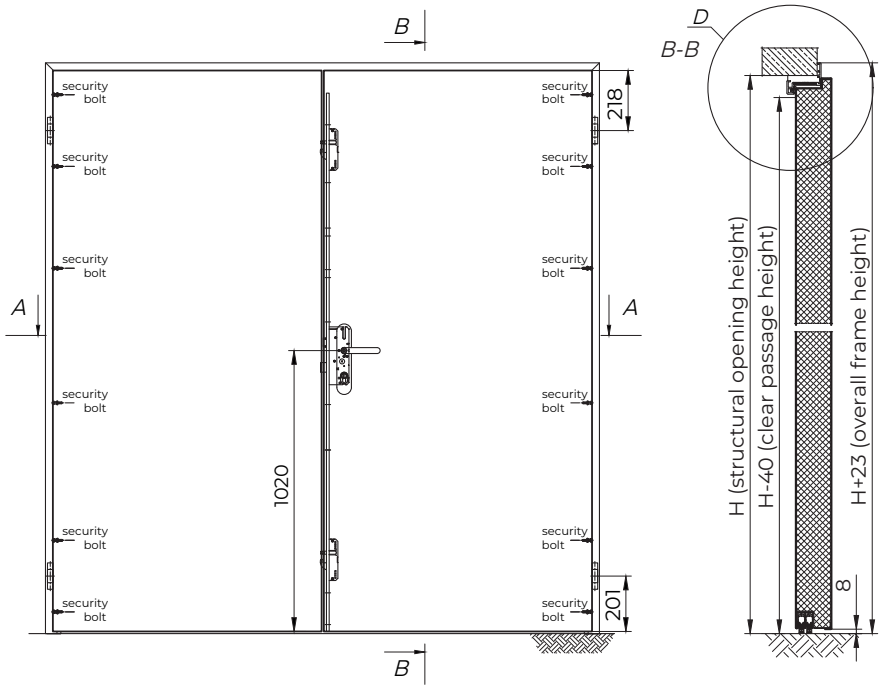
acoustic insulation Rw (C; Ctr)	
door without glass vision panel	37 (-1; -2)
door with glass vision panel	n.p.d.

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

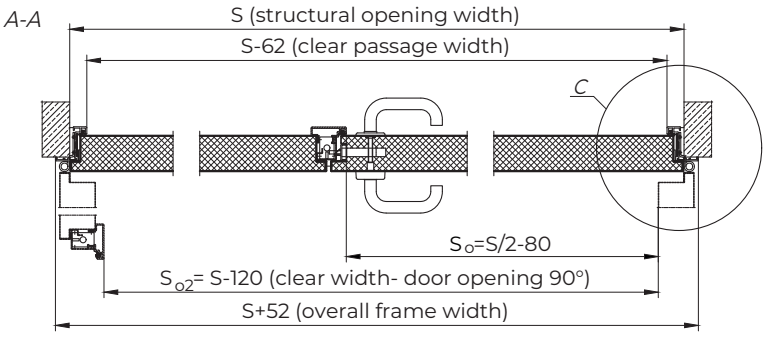
DFM DOORS

CORNER AND EMBRACING FRAME

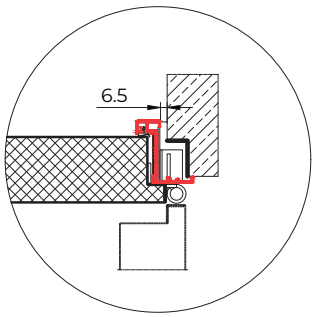
→ front view and cross section



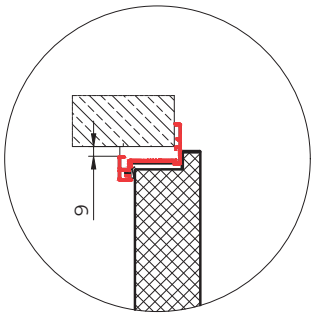
range of equipment and necessary wall treatment (cut-outs) **are shown on separate data sheets**



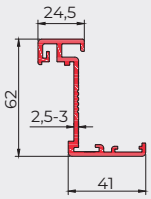
→ detail C



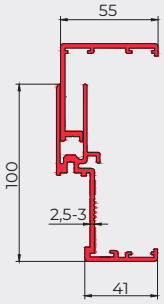
→ detail D



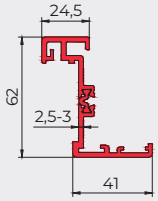
→ calculation of wall opening versus clear opening is the same for corner and embracing door frames:



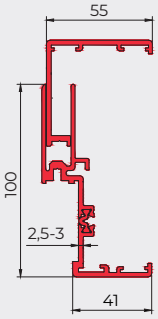
→ corner aluminium frame



→ 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	n.p.d.
	with thermal break	n.p.d.
wall embracing frame	**without** thermal break	n.p.d.
	with thermal break	n.p.d.

- automatic dropping gasket obligatory
- U value not calculated for doors equipped with glass vision panel

→ acoustic insulation coefficient

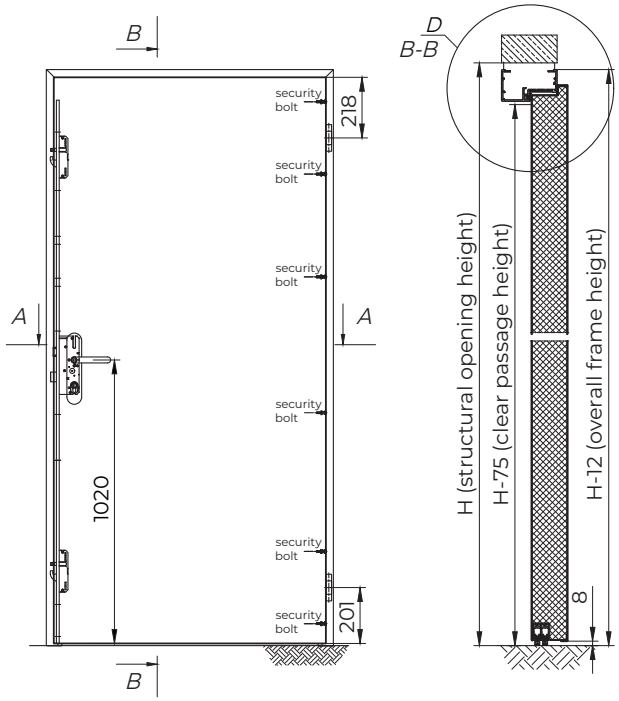
acoustic insulation Rw (C; Ctr)	
door without glass vision panel	n.p.d.
door with glass vision panel	n.p.d.

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

DFM DOORS

BLOCK FRAME

→ front view and cross section



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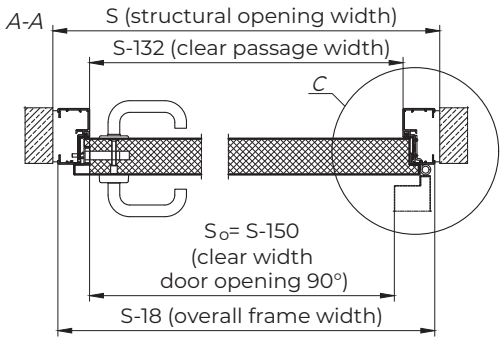

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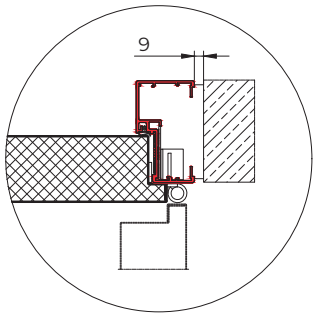

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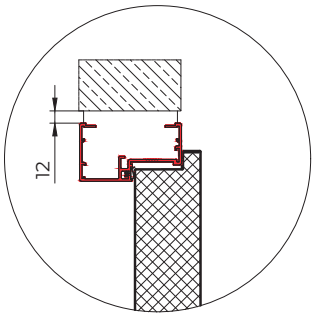
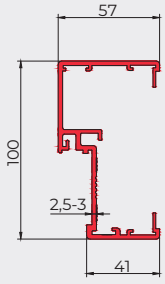
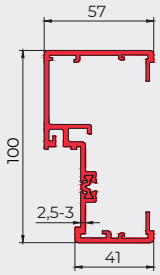


→ **calculation of wall opening versus clear opening is the same for 2 types of block frames:**



→ 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	n.p.d.
	with thermal break if leaf thickness 85 mm	1,4

- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- U value not calculated for doors equipped with glass vision panel

→ **acoustic insulation coefficient**

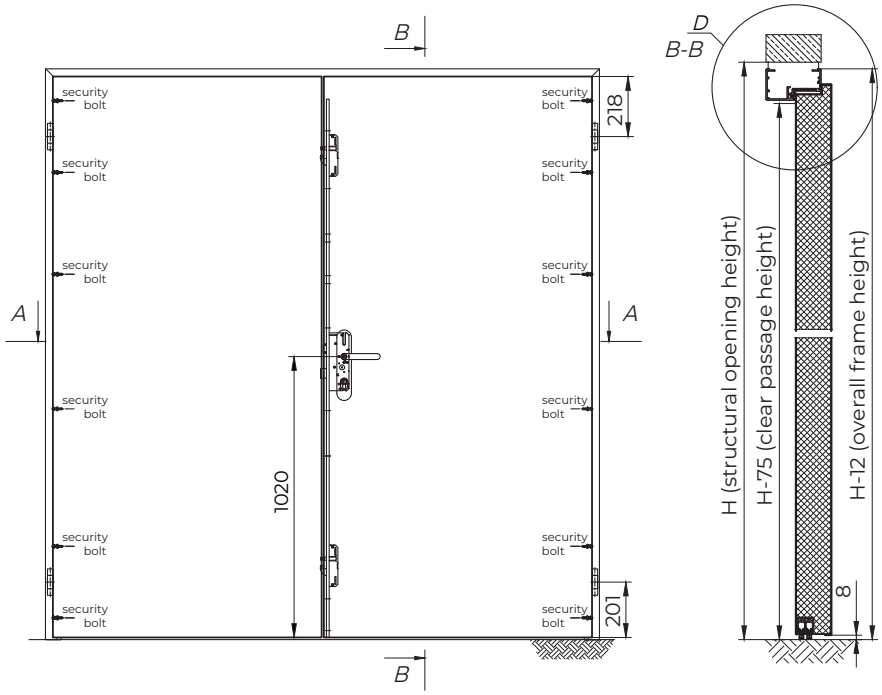
acoustic insulation Rw (C; Ctr)	
door without glass vision panel	37 (-1; -2)
door with glass vision panel	n.p.d.

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

DFM DOORS

BLOCK FRAME

→ front view and cross section



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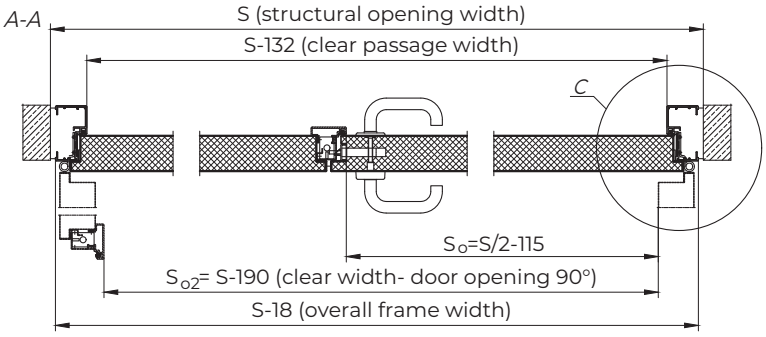

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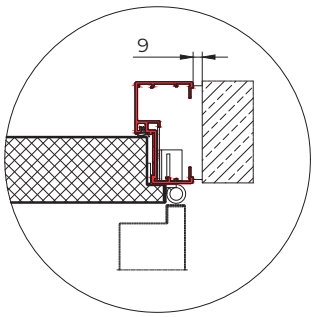

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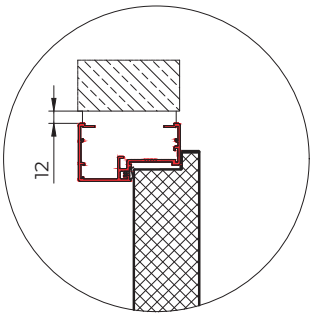

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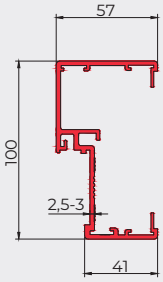
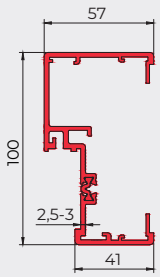


→ block aluminium frame



→ 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	n.p.d.
	with thermal break	n.p.d.

- automatic dropping gasket and frame filled with plaster board or mortar obligatory
- U value not calculated for doors equipped with glass vision panel

→ **acoustic insulation coefficient**

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

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