

All Heinen doors are constructed on the basis of the METAL+ concept, lending them superior basic performance standards.

Basic performance features of the Metal+ door:



Burglary resistance (EN 1627-1630)
RC2 subject to conditions



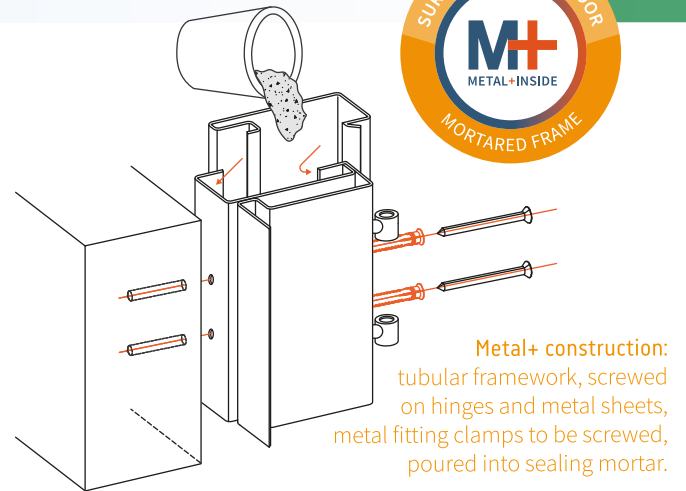
Frequency of use
Up to 1,000,000 open/close cycles (max. level)
(Based on the tests of swing doors with cast-up frame and fitted in tunnel)



Mechanical resistance
Enhanced mechanical resistance



Service life of the door
15-year warranty on the door set



With automatic Kältefeind threshold

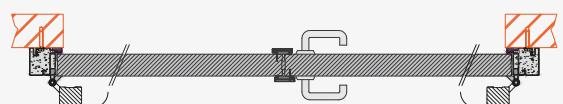
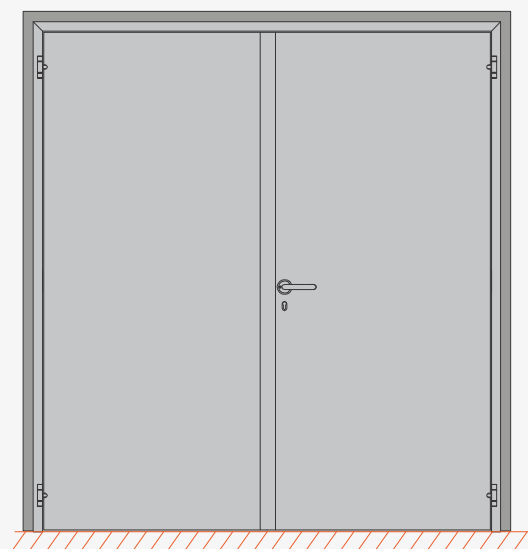
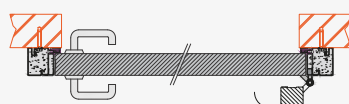
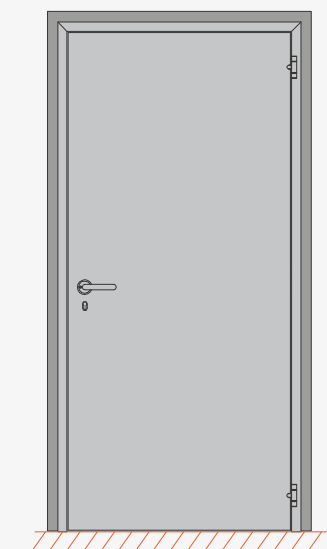


Airtightness

- single door minimum L2
- double door minimum L2 (with door closer)

Cumuls possibles : ● Fire-resistance ● Burglary resistance ● Anti-panic

CROSS-SECTION SURFACE-MOUNTED METAL+ DOOR (DRHE 0200)



DOOR DIMENSIONS *(always customised)*

Single door

Maximum dimensions	Width	Height
Leaf	1240	2515
Opening	1200	2500
Minimum dimensions	Width	Height
Leaf	400	600
Opening	360	585

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening
 FP 90° = Width of opening - 60
 FP = Height of opening

Construction support with a minimum thickness of 140 mm.

Double door

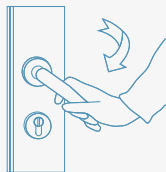
Maximum dimensions	Width	Height
Leaf	1265	2515
Opening	2500	2500
Minimum dimensions	Width	Height
Leaf	400	900
Opening	770	885

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening
 FP 90° = Width of opening - 120
 FP = Height of opening

SECURITY LOCKS

Mechanical systems



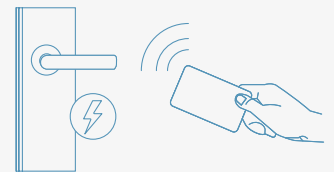
Standard (one point)
Anti-panic (1 and 3 points)
Top and/or bottom lock
Security (1 and 3 points)

Manual
locking

ABLOY EL160, **EL360**
Self-Security (1 and 3 points)

Automatic
locking

Electrical systems with automatic locking



ABLOY EL560, **EL561**
 Controlled entry: Fail safe ou Fail secure.
 Free anti-panic exit or controlled exit
 (Fail idem entry side).

Overlock (in combination with
 Self-Security 1 or 3 points).
 Controlled entry: Fail secure.
 Free anti-panic exit or controlled exit
 (Fail secure).

Solenoid
locks

ABLOY EL518, **EL520**
 Controlled entry: Fail secure.
 Free anti-panic exit or controlled exit
 (Fail secure).

ABLOY EL532
 Controlled entry: Fail secure.
 Controlled exit: Fail safe.

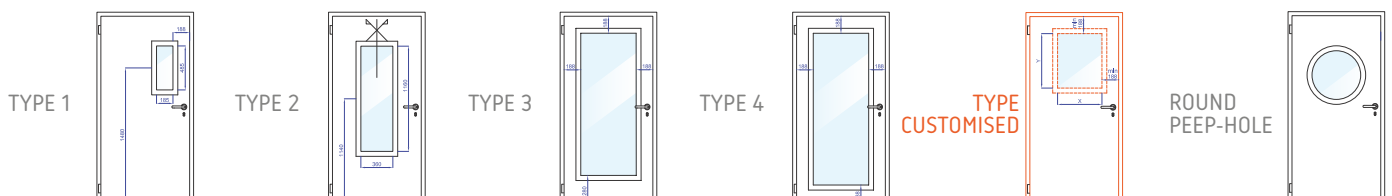
Motorised
locks



*Fail secure: operation by power supply.
 Fail safe: operation by power cut.*

WINDOW CONFIGURATIONS

Solid or glazed. Standard sizes or customised windows.



DETAILS OF MAIN COMBINATIONS



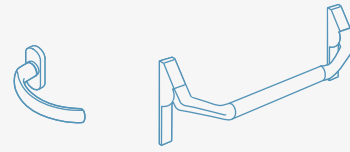
Fire resistance

Tests carried out by the fire resistance testing laboratory at the University of Liège.
EI1-30 - EI1-60
EI2-30 - EI2-60



Anti-panic

Pushbar or handle.

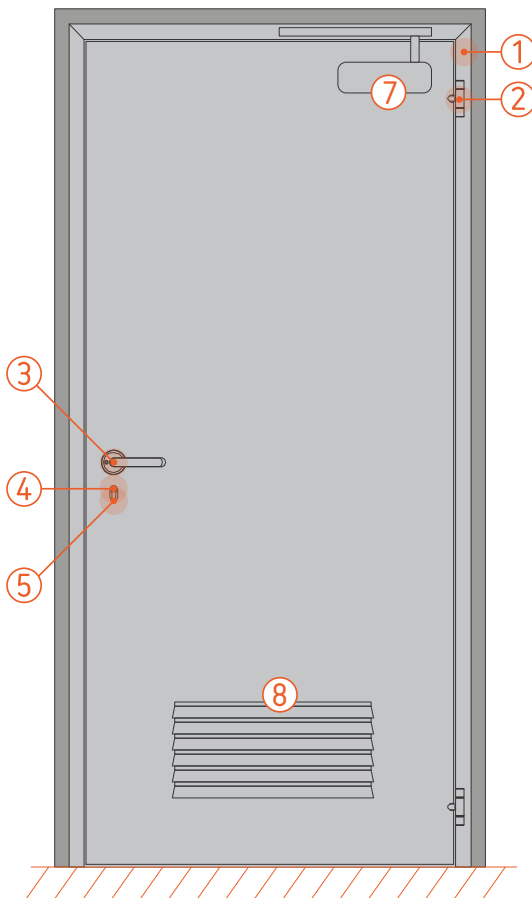


Burglary resistance

RC2



FITTINGS



BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnetis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**
Minimum two screwed steel hinges, adjustable and replaceable.
- 3 | **Handles**
A set of two U-shaped aluminium handles
- 4 | **Europrofil cylinder**
Standard.
- 5 | **Backplate**
PVC backplate.
- 6 | **Lock**
Standard 1 point.

OPTIONAL FITTINGS

- 1 | **Door frame and leaf finish**
Stainless steel 304, 316 or RAL paint.
- 2 | **Hinges**
One or more hinges can be added; these are always adjustable and replaceable.
Stainless steel hinges.
- 3 | **Handles**
Handles, doorknobs, pull handles etc. in aluminium or stainless steel.
- 7 | **Door closers**
With scissor arm or sliding arm, fitting on the hinge or non-hinge side, closure selectors, open position maintained etc.
- 8 | **Ventilation**
Compliant ventilation grills for internal and external doors.
3 standard dimensions: 580 x 380 mm; 680 x 480 mm; 880 x 680 mm.
- 9 | **Security locks**
See locks.
- 10 | **Security stud system**
Security stud advised for external doors.
- 11 | **Remote surveillance**
Indication of leaf position, locking latch position, indication of leaf status.
- 12 | **Various options**
Soundproof doorsills, door stops, storm chains, impact plates and many other fittings.

Heinen doors can combine performance features on a bespoke basis. Depending on your needs, one or more performance features are added to the basic, robust Metal+ door. Some performances are only available with the welded and mortar filled installation method.



Fire resistance



Burglary
resistance



Acoustic
performance



Bullet-proof



Blast-proof



Electromagnetic



Anti-panic



Smoke
tightness



Thermal
insulation



Airtightness



Watertightness



Wind
resistance



For BIM files, please consult us. Our products are certified **CE**

Heinen product sheet | METAL+ | SURFACE-MOUNTED SINGLE & DOUBLE HINGED DOOR | 2024-03-14_FTBE 0200 - V09EN

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