

Tests carried out by the CNPP 

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

Basic performance features of the RC4 door



Burglary resistance (EN 1627-1630)
RC4



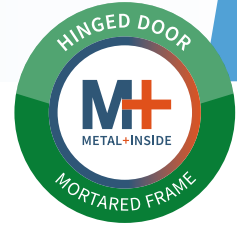
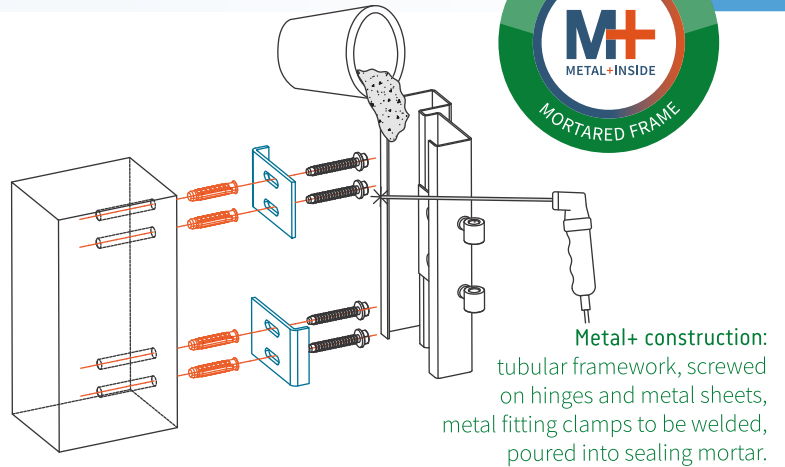
Frequency of use
200,000 open/close cycles



Mechanical resistance
M4 (maximum normative level)



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



With automatic Kältefeind threshold



Acoustic performance
Basic soundproofing:
- single door RW = 36dB



Airtightness
- single door minimum L2

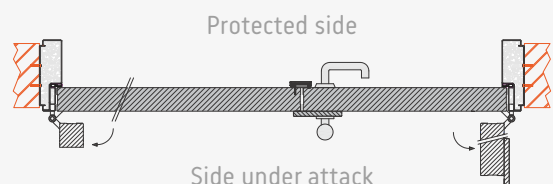
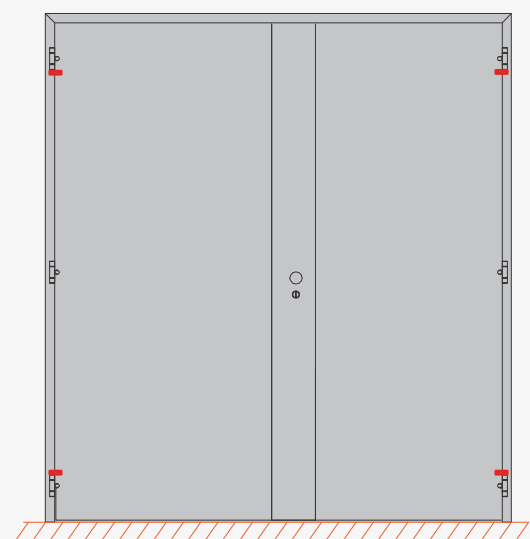
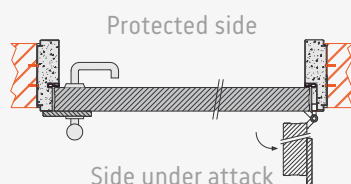
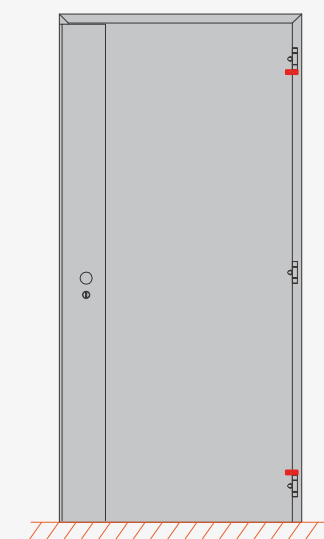


Thermal insulation
Value between 1.7 and 1.9 W/m²K (depending on dimensions)

Possible combinations: ● Fire resistance ● Acoustic performance ● Bullet-proof ● Anti-panic ● Smoke tightness
● Thermal insulation

CROSS-SECTION RC4 DOOR BURGLARY RESISTANCE HINGE SIDE (DRHE 0022a)

(also available with burglary resistance non-hinge side: DRHE 0022b).



DOOR DIMENSIONS *(always customised)*

Single door

Maximum dimensions	Width	Height
Leaf	1450	3035
Opening	1560	3113

Minimum dimensions	Width	Height
Leaf	730	600
Opening	840	678

Calculation of free passage (excluding combinations) burglary resistance hinge side and non-hinge side:

FP 180° = Width of opening - 140

FP 90° = Width of opening - 210

FP = Height of opening - 90

Construction support with a minimum thickness of 100 mm.

On request, larger / smaller doorsets are also available without a certificate, this is also valid for the wall thicknesses.

Double door

Maximum dimensions	Width	Height
Leaf	1450	3035
Opening	3020	3113

Minimum dimensions	Width	Height
Leaf	400	900
Opening	920	978

Calculation of free passage (excluding combinations) burglary resistance hinge side:

FP 180° = Width of opening - 140

FP 90° = Width of opening - 280

FP = Height of opening - 90

Calculation of free passage (excluding combinations) burglary resistance non-hinge side:

FP 180° = Width of opening - 140

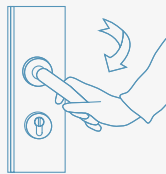
FP 90° = Width of opening - 300

FP = Height of opening - 90

SECURITY LOCKS

NB : one-point locks are suitable up to a leaf height of 2450

Mechanical systems



Security (1 and 3 points)

Anti-panic  (3 points)

Self-Security (1 and 3 points)

**Manual
locking**

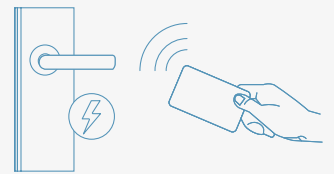
**Automatic
locking**



Fail secure : fonctionnement par alimentation de courant.

Fail safe : fonctionnement par rupture de courant.

Electrical systems with automatic locking



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

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.

BB-LOCKS serie A1 SA / SX / SE

Only suitable for hinge-side attack.

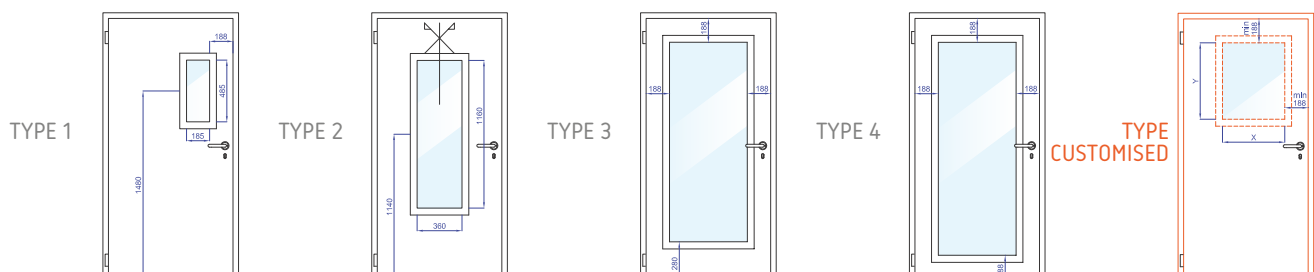
Controlled entry: Fail safe (SA) or Fail secure (SX et SE). Controlled exit: Fail safe (SA) or Fail secure (SX and SE). With an Adjustable Striker Plate.

**Solenoid
locks**

**Motorised
locks**

WINDOW CONFIGURATIONS

Solid or glazed. Combining anti-panic with glazing upon request. VStandard 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



Bullet-proof

Tests carried out by the Banc National d'Épreuve, Saint Étienne.
FB4 - FB5 - FB6
AK47



Acoustic performance

Tests carried out by the testing laboratory at the University of Liège.
Soundproofing (Rw) up to 54 dB.
Standard lock, double Shall-Ex, brushes.



Anti-panic

Pushbar or handle.
Cannot be combined with glazing.



Smoke tightness

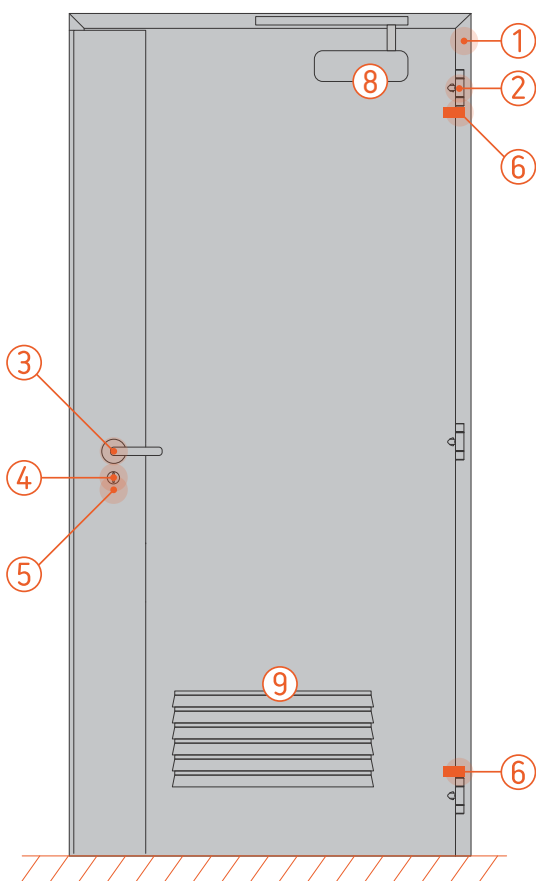
Sa, Sm (S200).
Doorbottom seal: contact us.



Thermal insulation

Up to 1.5 W/m²K possible, with thermal break

FITTINGS



BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnelis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**
Minimum three screwed steel hinges, adjustable and replaceable.
- 3 | **Handles**
A set of two U-shaped aluminium handles.
- 4 | **Europrofil cylinder**
EN 1627 compliant (class 6.2 in accordance with EN 1303).
- 5 | **Backplate**
Protection rotor.
- 6 | **Security stud system**
Burglary resistance hinge side: two security studs.
Burglary resistance non-hinge side: not necessary.
- 7 | **Lock**
Security 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.
- 3 | **Handles**
Handles, doorknobs, pull handles etc. in aluminium or stainless steel.
- 8 | **Door closer**
With scissor arm or sliding arm, fitted on the hinge or non-hinge side, invisibly integrated, with or without closure selectors, open position maintained etc.
- 9 | **Ventilation**
RC4 compliant ventilation grilles without combination of performance features.
Maximum width = leaf - 2 x 105, customised height.
- 10 | **Security locks**
See locks.
- 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



www.heinen-doors.com

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

Heinen product sheet | RC4 | SINGLE & DOUBLE HINGED DOOR | 2024-02-27_FTHe 0022 - V14EN

Copyright © Heinen 2024 | Non-contractual document.