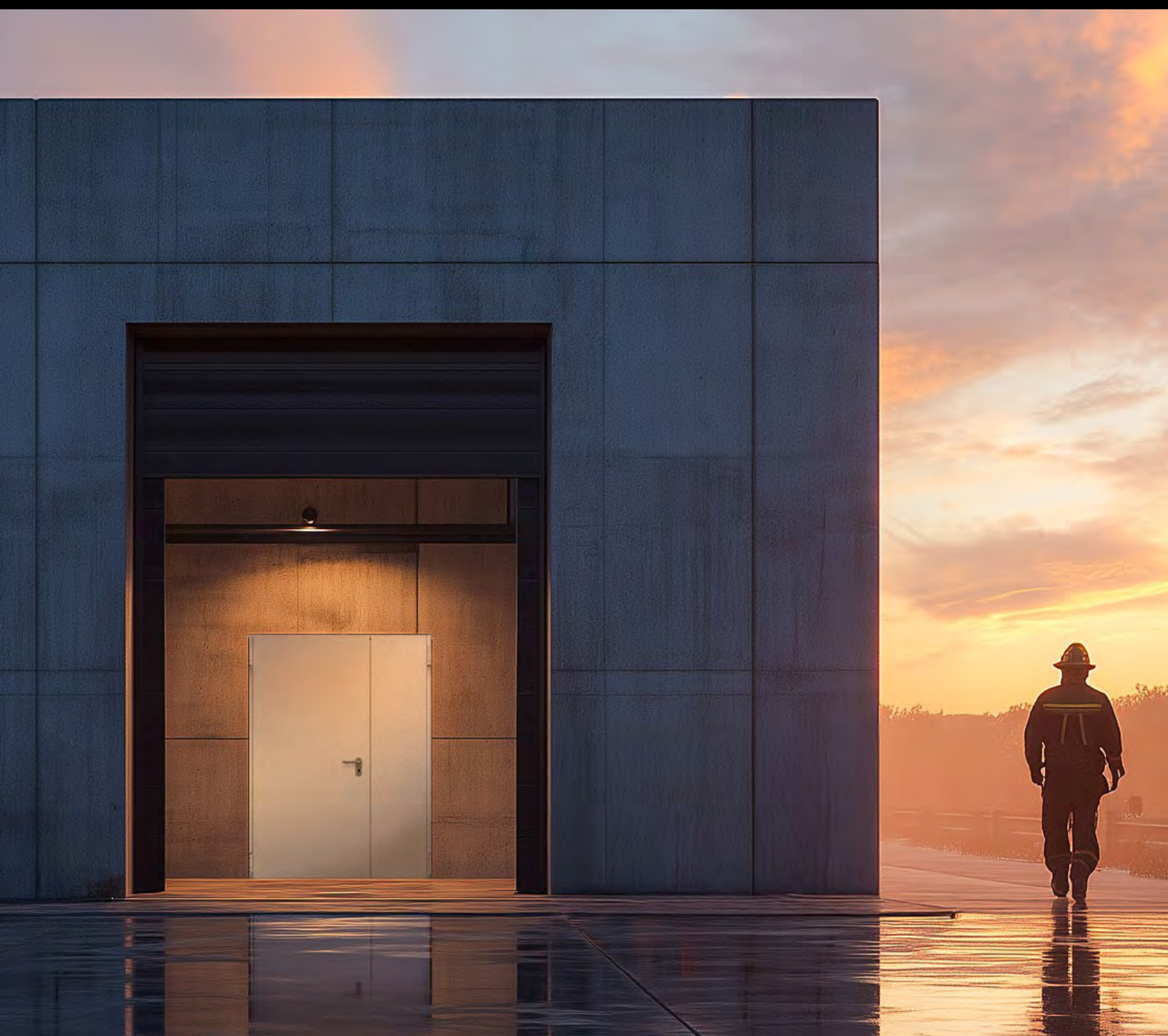


NINZ

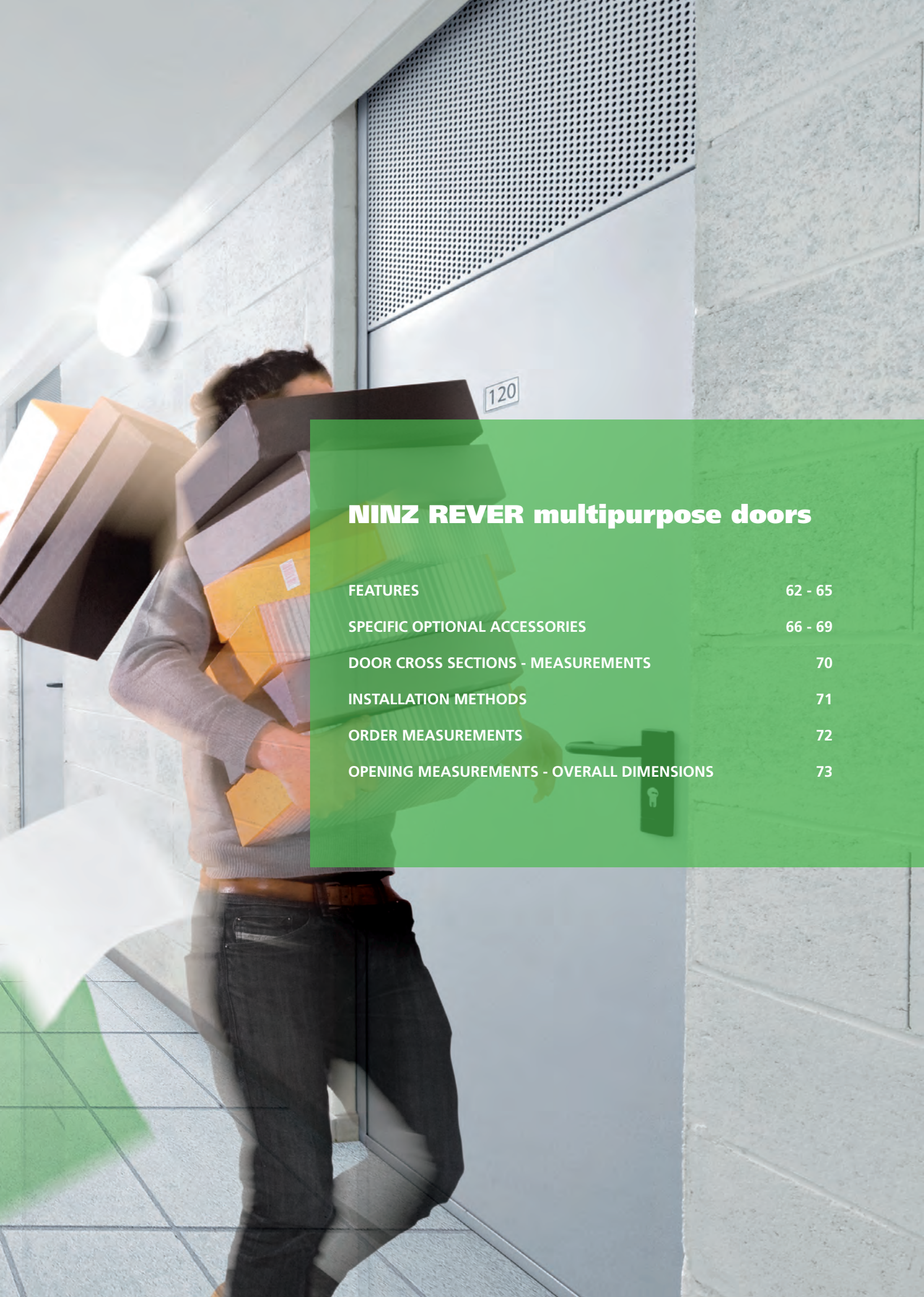
FIREDOORS

General brochure



"bare minimum, maximum performance!"





NINZ REVER multipurpose doors

FEATURES	62 - 65
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Features

REVER multipurpose doors

THE ECONOMICAL MULTIPURPOSE YOU ALWAYS WISHED FOR

"Quality first"

- Fully galvanized, including the "hidden" parts
- Made of "Sendzimir" processed hot-galvanized sheet metal
- Corrosion protection also provided along the cut edges of the metal
- Painted with epoxy-polyester thermoset powders in a 180 degree (Celsius) oven
- Extra-thick paint layer (over 70 microns)
- Optimal corrosion resistance as demonstrated by 500 hour salt-fog testing
- Finishing with high-quality aesthetics
- Orange skin anti-scratch structured paint
- Customizable with wide selection of RAL colors

"Practicality of use"

- Door reversibility
- Indication of door opening direction not necessary
- Reduction of stock for retailers
- Simplifies choices for end customers
- Especially well-suited for indoor use
- Light but still sturdy
- Easy installation

"Versatility"

- Very wide field of application
- Can be combined with various frame types
- Installable onto any wall type
- Application with a block frame
- Can be combined with over-head frame panel with or without ventilating perforation
- Available with upper/lower crack enlargement
- Vast assortment of accessories
- Customized measurements also available

"Manufacturing technology"

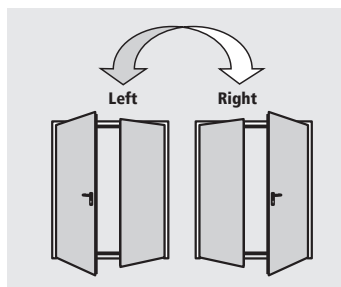
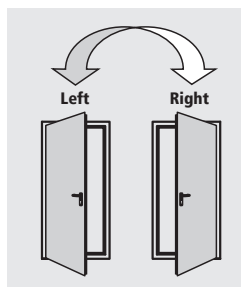
- Manufacturing in modern and functional facilities which employ the latest technologies to maintain high quality levels and product uniformity
- The entire production process - from raw materials to painted and packaged products - takes place inside Ninz's own facilities, ensuring a 360 degree door control



One-leaved doors



Two-leaved doors



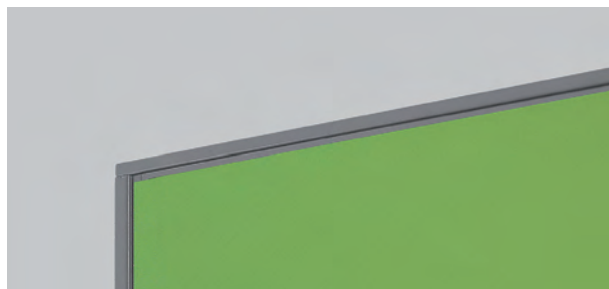
STANDARD ELEMENTS

Door

- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded
- Perimetral rebate on 4 sides
- Internal corrugated honeycomb fiber structure fixed firmly to the sheet metal
- Thickness of 40mm

Doorframe

- Made of "Sendzimir" processed hot-galvanized sheet metal
- Grooves for rebate sealing
- Suitable for anchors for mortar fixing or expansion screws
- Detachable rebate for application on finished flooring
- Removable threshold for thresholdless installation
- Strike plates in black plastic for lock bolt
- Assembled doorframes for one-leaved doors
- Assembly required for two-leaved doorframes



Hinges

- Nr. 2 three-wing hinges for each leaf

Locking mechanism

- Reversible locking mechanism with bolt and central latch
- Insert with patent key, Euro profile cylinder ready

Handle

- Black plastic handle
- Fastener screws to pass
- Insert for patent-type key

Safety bolts

- Nr. 3 safety bolts applied on hinge side doorframe edge

Features

REVER multipurpose doors



INCLUDED ACCESSORIES

Safety lock

- Central latch for blocking and unblocking the inactive leaf
- Lever control for unlocking vertical rods

Upper coupling system for the inactive leaf

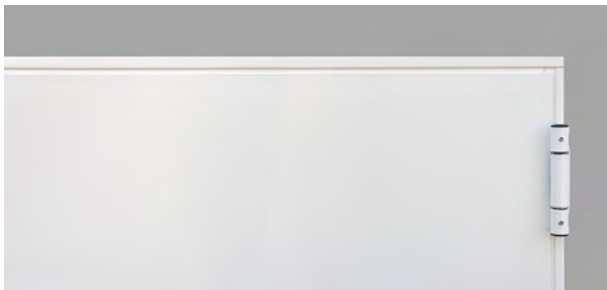
- Vertical rod with steel point which inserts into the upper strike box
- Upper strike box in black plastic with steel roller

Lower coupling system for the inactive leaf

- Vertical rod with steel point which inserts into lower strike box
- Floor catch (floor-mounted bushing) in black plastic, for doors without threshold
- Floor catch in black plastic with a steel roller, for doors with threshold



Standard paint - group 01: RAL 9010



Finishing

- Standard painted with epoxy-polyester thermoset powders in a 180 degrees oven, orange skin, anti-scratch finishing
- Standard paint RAL 9010

Standard packaging

- Single door wrapped into stretchable polyethylene (PE) film
- Assembled doorframes for one-leaved doors
- Assembly required for doorframes for two-leaved doors
- Palletized on wooden pallets

Pre-settings

- The main lock and upper rod housing on the inactive leaf are ready for installation of the latching mechanism for panic bars

NOTE

If the door ever needs to be repainted, follow the precise instructions on the "Painting" page.

OPTIONAL ACCESSORIES

A wide variety of accessories and surface finishes are available on request for maximum value enhancement of Rever doors to your own specific needs.

The proper accessories can help resolve:

Safety-related needs

- Doors for panic exits (see panic bars)
- Doors for emergency exits (see emergency exit handles)
- Three-point Rever SECUR lock

Installation and utilization needs

- Embracing or telescopic frames
- Frame extensions
- Drip steel-profile
- Kick and protection plates in stainless steel
- Windows
- Ventilating perforation
- Overhead frame panel
- Available with upper/lower crack enlargement

Access-related control issues

- Electrically-activated lock mechanisms
- Electric handle mechanisms
- Magnetic blocking mechanisms

Performance enhancing

- Rebate sealings
- Cylinders
- Door closers
- Special handles



NOTE

Details about optional accessories may be found in the following chapters of this brochure:

- Painting
- Accessories for metal doors
- Emergency handles and panic bars

Right-opening doors are the default selection if opening direction is not specified.

Customized finishing

- Select finishing from a wide variety of RAL colours
- Stainless steel handles
- Colored handles

Packaging for maximum protection

Sturdy wooden crates protect all doors and related accessories

- On construction sites
- During shipping abroad
- For special transport

The following optional accessories make Rever doors irreversible, requiring the indication of the door opening direction when the order is placed:

- SLASH panic bar
- Panic bar for inactive leaves
- Windows and ventilation grills
- MAC locks
- ELM/cisa and ELM/mt electric handle
- Special locks (016 tir)
- Overhead frame panels and prolonged frames
- Special doorframes (SPEED, SOLID, TESCOP)

Specific optional accessories

REVER multipurpose doors

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MULTIPURPOSE WINDOW

On request, the one- and two-leaved doors may be equipped with round or rectangular windows, with stratified 3 + 3 mm glass, 2B2 rated, framed with a black rubber EPDM profile. The corners of rectangular windows are rounded (radius of approx. 100 mm).

Production limits

Window sizes are standard and the minimum border strips around the window may not be reduced.

Borders, window position

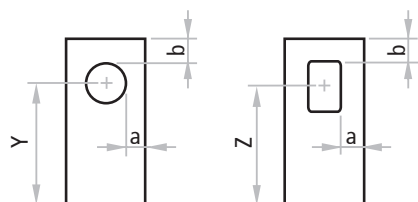
"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

Elevation for round windows

window size	FM H	position
Ø 300	minimum 1950	Y=1600
Ø 300	less than 1950	Y=FM H - 350
Ø 400	minimum 2000	Y=1600
Ø 400	less than 2000	Y=FM H - 400

Elevation for rectangular windows

window dimensions L x H	FM H	position
300 x 500	minimum 1950	Z=1500
300 x 500	less than 1950	Z=FM H - 450
400 x 700	minimum 2050	Z=1500
400 x 700	less than 2050	Z=FM H - 550



KIT window

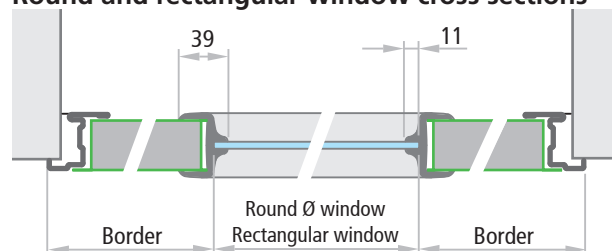
The windows for Rever doors are also available as a KIT for later installation directly by the customer.

NOTE

The positions indicated above are those standard. Different positions may be considered as long as they respect the minimum "a" and "b" border strips.



Round and rectangular window cross sections



Window dimensions

		minimum border		FM L min. dimensions
		a	b	
	Ø 300	200	200	700
	Ø 400	200	200	800
	Ø 300	200	200	L1 700 + L2 400
	Ø 400	200	200	L1 800 + L2 400
	Ø 300	200	200	L1 700 + L2 700
	Ø 400	200	200	L1 800 + L2 800
	300 x 500	200	200	700
	400 x 700	200	200	800
	300 x 500	200	200	L1 700 + L2 400
	400 x 700	200	200	L1 800 + L2 400
	300 x 500	200	200	L1 700 + L2 700
	400 x 700	200	200	L1 800 + L2 800

Specific optional accessories

REVER multipurpose doors

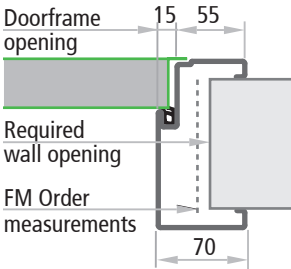


REVER
multipurpose

SPECIAL ‚SPEED‘ DOORFRAME FOR REVER DOORS

SPEED on three sides embracing doorframe with 45 deg. joints, made of 1,25 mm thick galvanized „Sendzimir“ processed sheet metal, assembly required. For installation onto finished walls using 6 integrated clamps and two adjustable spacers with plugs or screws. Includes rebate sealing and RAL painting with thermoset epoxy-polyester powders. Minimum 80mm wall thickness, 55/70 frames.

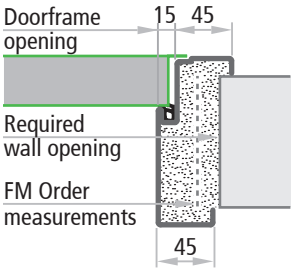
Order measurements	required wall opening	doorframe opening
FM L (width)	FM L + 20	FM L - 64
FM H (height)	FM H + 10	FM H - 34



SPECIAL ‚SOLID‘ DOORFRAME FOR REVER DOORS

SOLID on three sides embracing doorframe with 45 deg. joints, made of 1,25 mm thick galvanized „Sendzimir“ processed sheet metal, assembly required. For installation with anchors for mortar fixing or with fastening profiles to fix with plugs or screw on, including removable threshold spacer, sealing and RAL painting with thermoset epoxy-polyester powders. Minimum 50mm wall thickness, 45/45 frames.

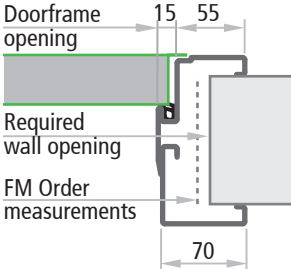
Order measurements	required wall opening	doorframe opening
FM L (width)	FM L + 40	FM L - 64
FM H (height)	FM H + 20	FM H - 34



SPECIAL ‚TESCOP‘ DOORFRAME FOR REVER DOORS

Two-pieced TESCOP on three sides embracing doorframe with 45 deg. joints, made of 1,25 mm thick galvanized „Sendzimir“ processed sheet metal, assembly required. To be fixed to finished wall with screws, including removable threshold spacer, sealing and RAL painting with thermoset epoxy-polyester powders. Minimum 80mm wall thickness, adjustment range of +25mm, frames 55/70.

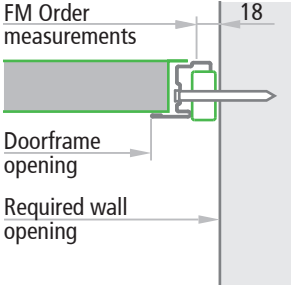
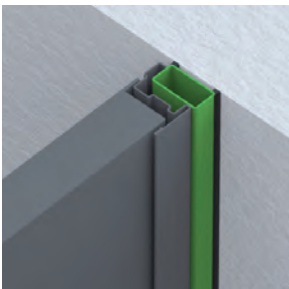
Order measurements	required wall opening	doorframe opening
FM L (width)	FM L + 20	FM L - 64
FM H (height)	FM H + 10	FM H - 34



INSTALLATION “IN THE REVEAL” WITH BLOCK FRAME

On request additional block profiles for one- and two-leaved multipurpose Rever doors. Consists of 3 sections of hollow 40x20x1,5mm metal profiles painted the same color as the doorframe using thermoset epoxy-polyester powders. Installation with screws and plugs (screws and plugs not included).

Required wall opening = FM L + 36, FM H + 18



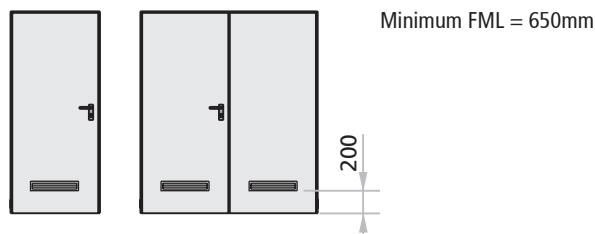
Specific optional accessories

REVER multipurpose doors

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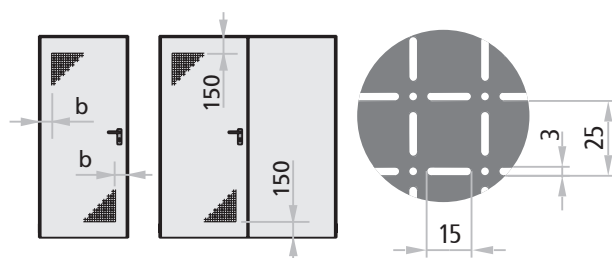
VENTILATION LOUVER

Ventilation louver made of either black or white PVC, 482x99mm (air passage approx. 150cm²). The opening direction of the door needs to be specified.



VENTILATING PERFORATIONS

Ventilating perforation for one- and two-leaved Rever doors and for the active leaf of two-leaved doors; made by perforating the illustrated pattern into the sheet metal. Rever doors with ventilating perforations remain reversible.



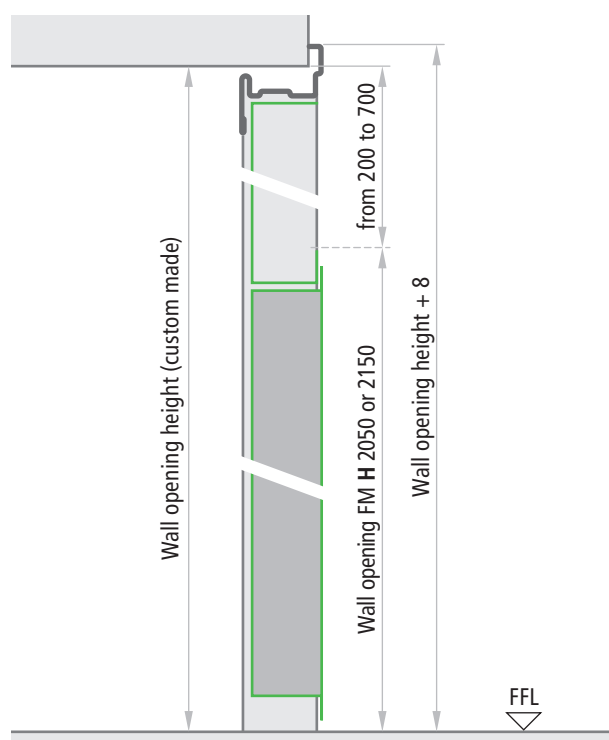
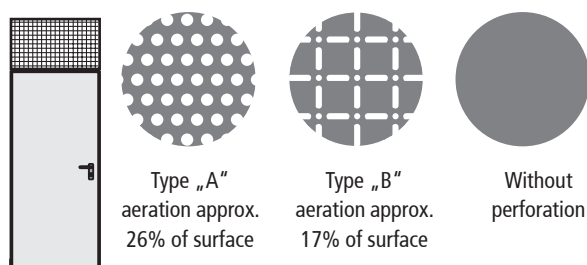
NOTE

Ventilating perforations are only provided on the active leaf of two-leaved doors.

FM L / FM L1	perforation	aeration	borders (b)
< 560 mm	not possible	-	-
from 560 to 700 mm	300 x 300 mm	156 cm ²	100 mm
from 701 to 1000 mm	350 x 350 mm	208 cm ²	100 mm
> 1000 mm	350 x 350 mm	208 cm ²	150 mm

OVERHEAD FRAME PANEL

A prolonged frame with a galvanized, eventually perforated 12/10 mm thick piece of sheet metal to serve as the overhead frame panel with ventilating perforation, which also functions as the upper rebate for the leaf. Painted the same color as the leaf using thermoset epoxy-polyester powders. Also available for Speed, Solid and Tescop door-frames. Overhead panel delivered not mounted.



NOTE

The direction of panel's installation can be chosen by the customer.

Specific optional accessories

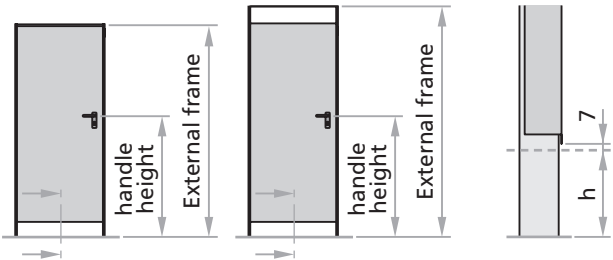
REVER multipurpose doors



REVER
multipurpose

DOOR WITH EXTENDED FRAME

Frame extends beyond the door leaf to create a gap of height (h) varying of between 50 to 150 mm, either below or both above and below. When using the standard Rever door leaf and an extended frame, the positioning of the handle is higher as a consequence.



	Handle height	external frame	required wall opening
crack below	$FM H / 2 + 50 + h$	$FM H + h + 8$	$FM H + h$
crack below and above	$FM H / 2 + 50 + h$	$FM H + 2 \times h + 8$	$FM H + 2 \times h$

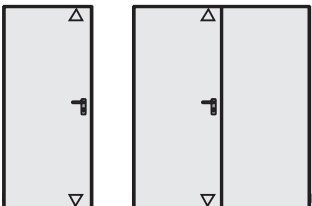
NOTE

The extended frame is also available as SPEED, SOLID or TESCOP version.

THREE-POINT SECUR LOCK FOR REVER DOOR

The SECUR version of Rever provides a more reliable door closure. Activating the lock with a key blocks the leaf in the frame at three points: in the center with the latch bolt, above with the rod that inserts into the upper strike box and below with the rod that inserts into the lower strike box.

Also available as a KIT for on-site installation. SECUR Rever doors remain reversible.



▷ Additional locking points



upper strike box



lower strike box (bushing)

NOTE

Not available in the following versions: anti-panic, with overhead panel or with extended frame.
In case of SECUR version, the standard cylinder is supplied.

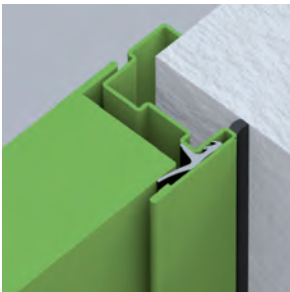
IM21 FRAME EXTENSION FOR REVER DOORS

Frame extension to be screwed to the Rever doorframe acting as a wall cladding. Made of "Sendzimir" processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint. To mount the frame extension, fixing holes need to be drilled into doorframe on site. Combine with sealing to conceal the screw heads.

Minimum 60mm wall thickness.



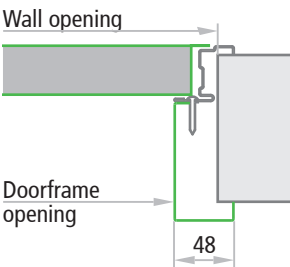
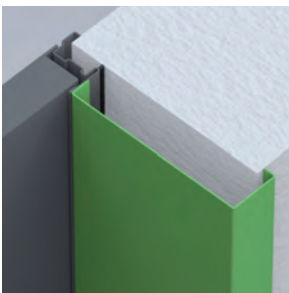
perimetral frame



central joint for two-leaved doors

REBATE SEALING CR

Sealing in black extruded profile to cut and to be pressed into the dedicated groove of the perimetral frame.
Sealing in black extruded profile self-adhesive to cut for application to the central joint of two-leaved doors.



Door cross sections - Measurements

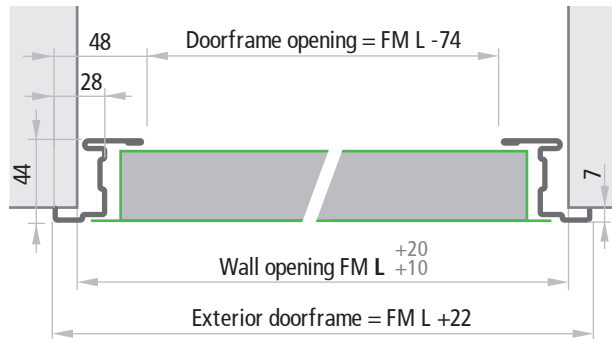
REVER multipurpose doors

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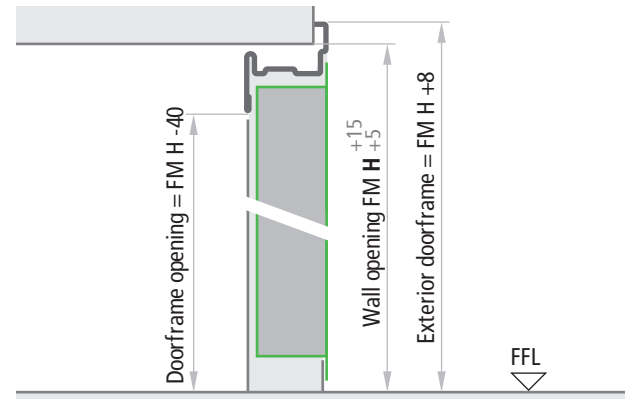
One-leaved doors

Horizontal cross section



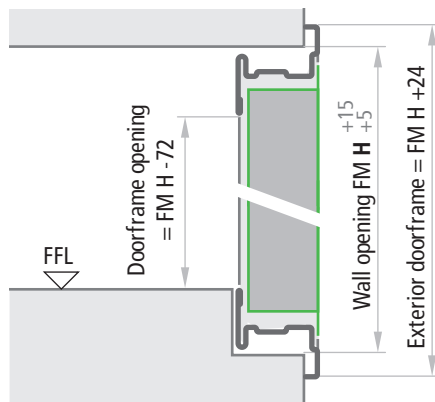
Doors without lower threshold

Vertical cross section



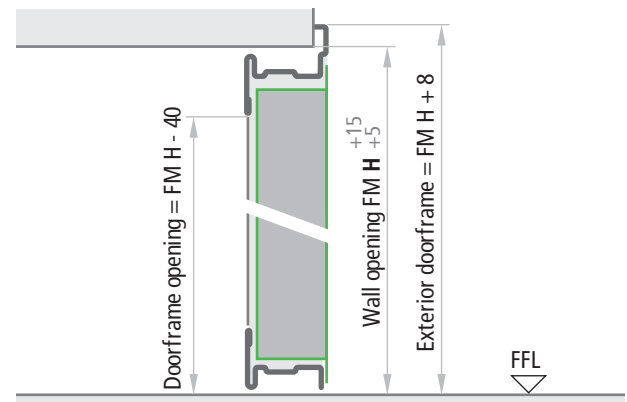
Doors with internal and external lower threshold

Vertical cross section



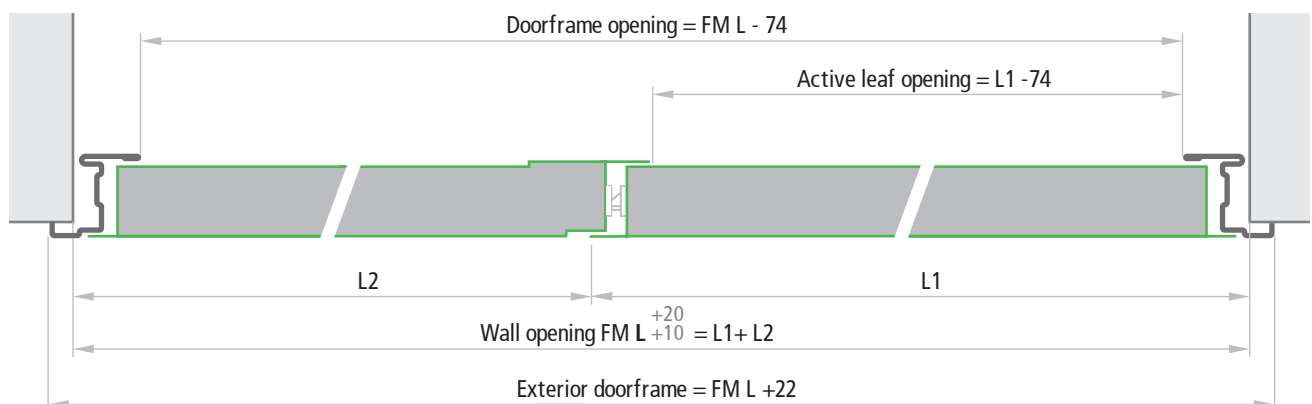
Doors with internal lower threshold

Vertical cross section



Two-leaved doors

Horizontal cross section



Leaves thickness

MULTIPURPOSE 40 mm

NOTE

The tolerances FM L +20, FM H +15 of the indicated measurements make it easier to fill the gap between the wall and the doorframe with cement mortar. For dry wall installation, the holes must be precise and greater tolerance ranges should not be employed.

Installation methods

REVER multipurpose doors

NINZ
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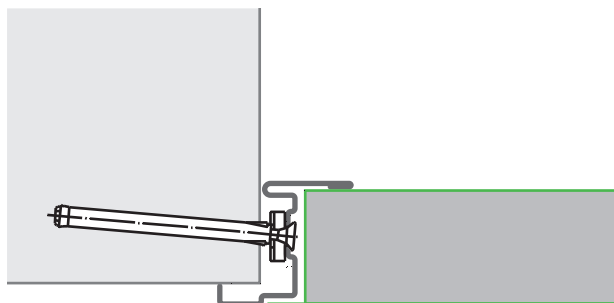
INSTALLATION WITH ANCHORS FOR MORTAR FIXING

For mortar fixing, appropriate cuts will need to be created in the walls (section 80 x 160 mm) or the anchors should be fixed with expansion screws. The anchors should be bent and blocked inside the wall. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam.



INSTALLATION FOR EXPANSION SCREWS FIXING

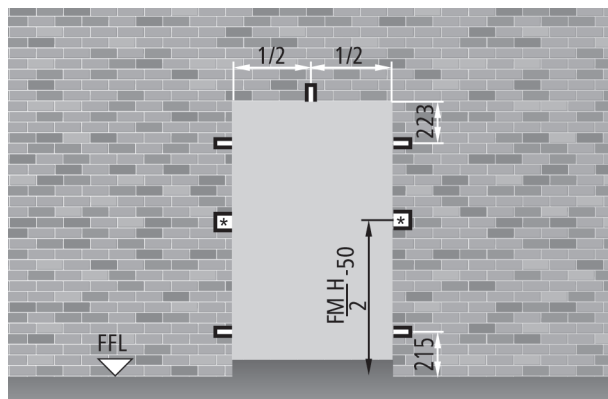
For the installation with expansion screws, the anchors serve as spacers and should not be bent. Using Würth type art. 0910436112 plugs or similar (supplied at the customer's expense), installation is done with expansion screws into the pre-drilled holes present on the frame. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam.



ANCHOR POSITIONING

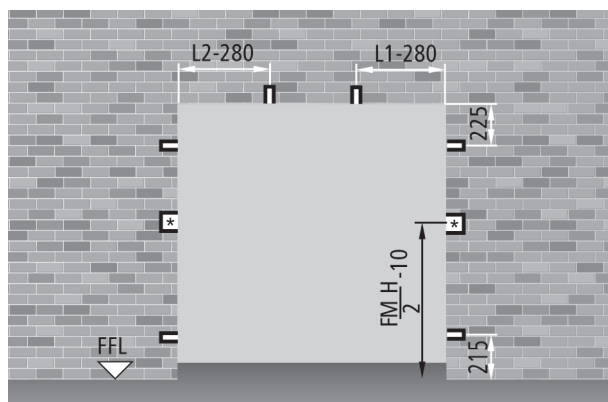
One-leaved doors

Right opening and Left opening

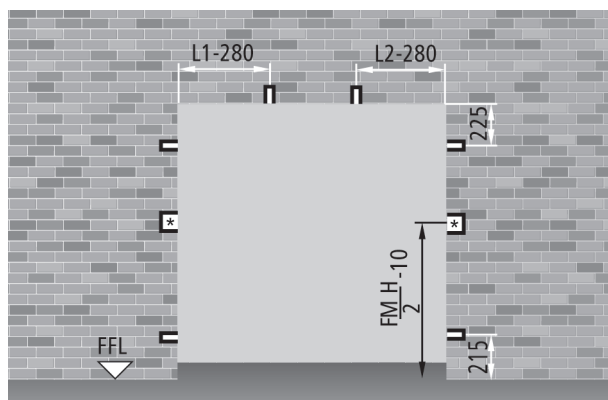


Two-leaved doors

Right opening



Left opening



(*) For proper installation, the cuts for the anchors should be 200 x 160 mm in size.

Order measurements

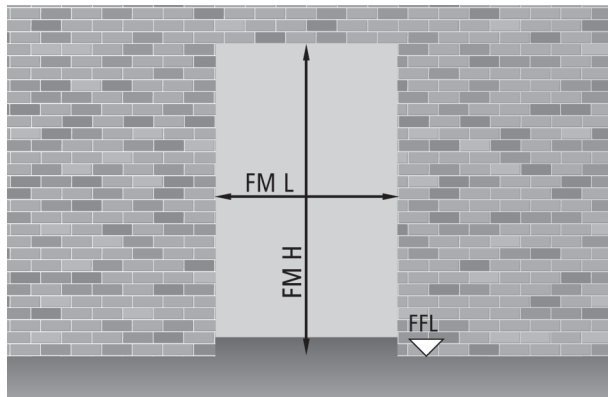
REVER multipurpose doors



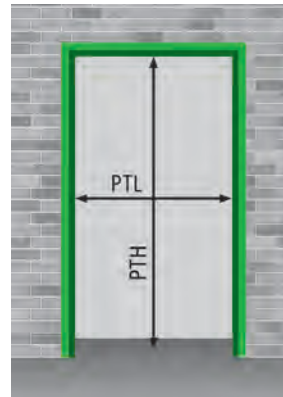
REVER
multipurpose

ORDER MEASUREMENTS

Wall Opening



Doorframe opening



One-leaved doors

PTL = FML - 74
PTH = FMH - 40

Two-leaved doors

PTL = FML - 74
PTH = FMH - 40

One-leaved door FM L x FM H

standard dimensions

700	x	2050 / 2100 / 2150
800	x	2050 / 2100 / 2150
900	x	2050 / 2100 / 2150
1000	x	2050 / 2100 / 2150
1100	x	2050 / 2100 / 2150
1200	x	2050 / 2100 / 2150
1300	x	2050 / 2100 / 2150
1350	x	2050 / 2100 / 2150

PT L x PT H

doorframe opening

626	x	2010 / 2060 / 2110
726	x	2010 / 2060 / 2110
826	x	2010 / 2060 / 2110
926	x	2010 / 2060 / 2110
1026	x	2010 / 2060 / 2110
1126	x	2010 / 2060 / 2110
1226	x	2010 / 2060 / 2110
1276	x	2010 / 2060 / 2110

non-standard dimensions

from 500 to 1350 x from 1780 to 2200

from 526 to 1276 x from 1740 to 2160

Two-leaved doors FM L (L1+L2) x FM H

standard dimensions

1200	(800 + 400)	x 2050 / 2100 / 2150
1300	(900 + 400)	x 2050 / 2100 / 2150
1400	(1000 + 400)	x 2050 / 2100 / 2150
1400	(700 + 700)	x 2050 / 2100 / 2150
1600	(800 + 800)	x 2050 / 2100 / 2150
1800	(900 + 900)	x 2050 / 2100 / 2150
2000	(1000 + 1000)	x 2050 / 2100 / 2150

PT L x PT H

doorframe opening

1126	x	2010 / 2060 / 2110
1226	x	2010 / 2060 / 2110
1326	x	2010 / 2060 / 2110
1326	x	2010 / 2060 / 2110
1526	x	2010 / 2060 / 2110
1726	x	2010 / 2060 / 2110
1926	x	2010 / 2060 / 2110

non-standard dimensions

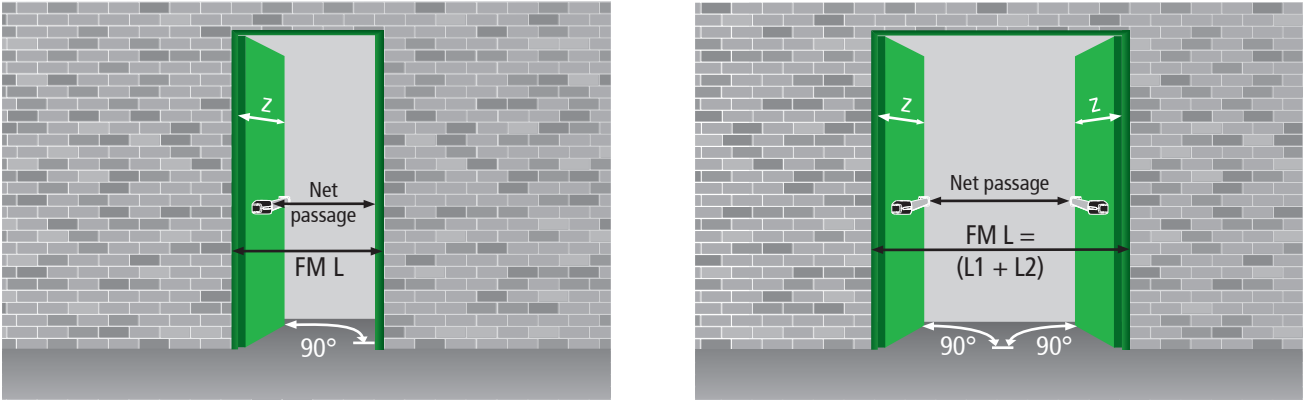
from 900 (500+400) to 2000 (1000+1000) x from 1780 to 2200

from 826 to 1926 x 1740 / 2160

NOTE

Unless specified otherwise by the customer, two-leaved standard and customized doors are supplied with a right-pull opening direction.

OPENING MEASUREMENTS AND OVERALL DIMENSIONS WITH 90 DEGREE OPENING



Net passage calculation

panic bar type	protrusion	one-leafed door	two-leafed door
EXUS	125	FML - 209	FML - 344
TWIST	100	FML - 184	FML - 294
SLASH	75	FML - 159	FML - 244
FAST TOUCH	75	FML - 159	FML - 244
without panic bar	-	FML - 84	FML - 94
z = leaf protrusion relative to the wall		FML + 11	L1 + 11 L2 + 56

OVERALL DIMENSIONS WITH 180 DEGREE OPENING - HANDLE HEIGHT

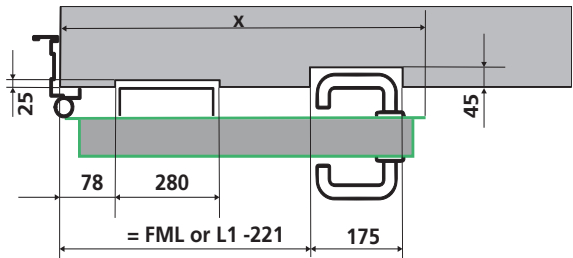
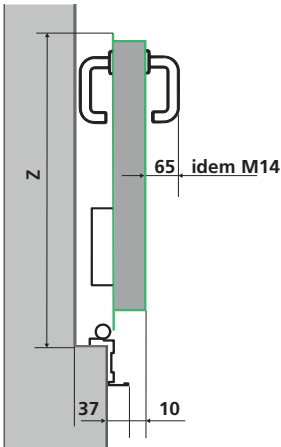
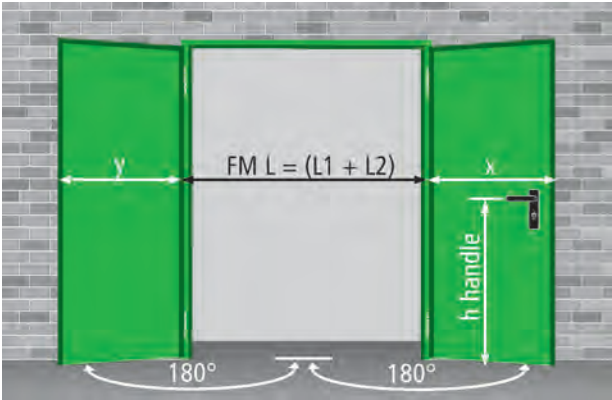
One-leafed door

x = FML - 4
 h handle = FMH/2 + 50



Two-leafed door

x = L1 - 4 y = L2 + 42
 h handle = FMH/2 + 50



**"the quality multipurpose,
reversible and heat-insulated"**





UNIVER NINZ Doors

MULTIPURPOSE VERSION

FEATURES

SPECIFIC OPTIONAL ACCESSORIES

ADDITIONAL PERFORMANCES

INSTALLATION METHODS

DOOR CROSS SECTIONS - MEASUREMENTS

ORDER MEASUREMENTS

OPENING MEASUREMENTS - OVERALL DIMENSIONS

74 - 77

78 - 80

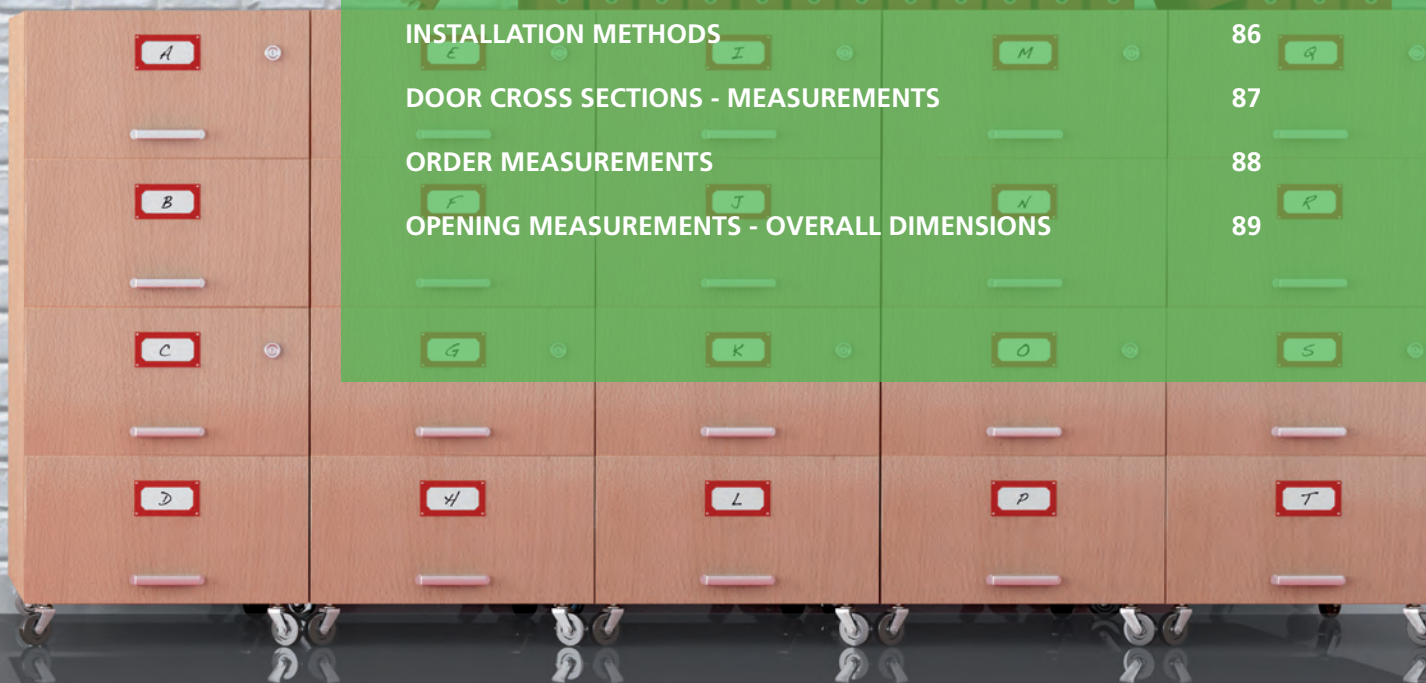
81 - 85

86

87

88

89



Features

UNIVER multipurpose doors

NINZ[®]
FIREDOORS

UNIVER
multipurpose

THE HIGH QUALITY MULTIPURPOSE

“Quality first”

- Solid design and manufacture
- Fully galvanized door, including the “hidden” parts
- Made of “Sendzimir” process hot-galvanized sheet metal
- Corrosion protection also provided along cut edges of the metal sheets
- Painted with epoxy-polyester thermoset powders in a 180 degrees (Celsius) oven
- Substantial paint layer (70 microns plus)
- Optimal corrosion resistance demonstrated by 500 hour salt-fog test
- Unaffected by severe climate changes, demonstrated by 2000 hours with +60° to -10° cycles at 75% humidity
- Finishing with high-quality aesthetics
- Orange skin anti-scratch structured paint
- Customizable with wide selection of RAL colors

CE marking for external use

- Wind resistance and water tightness
- Thermal isolation
- Air permeability
- Suitable for use with panic bar

“Practicality of use”

- Door reversibility
- Indication of door opening direction not necessary
- Reduction of stock for retailers
- Simplifies choices for end customers
- Easy installation

“Versatility”

- Suitable for multiple uses because of its sturdiness
- Vast assortment of accessories
- Customized measurements also available

“Manufacturing technology”

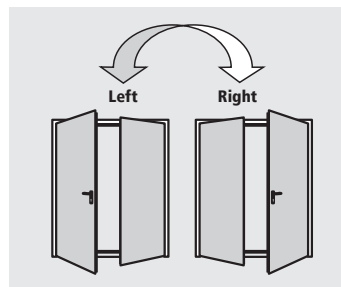
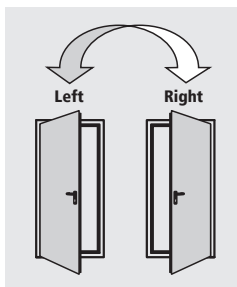
- Manufacturing in modern and functional facilities which employ the latest technologies to maintain high quality levels and product uniformity
- The entire production process - from raw materials to painted and packaged products - takes place inside Ninz's own facilities, ensuring a 360 degree door control



One-leaved doors



Two-leaved doors



Features

UNIVER multipurpose doors

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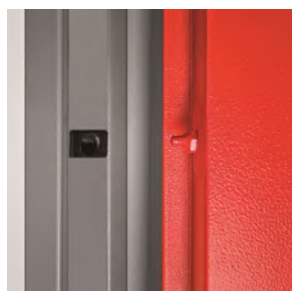
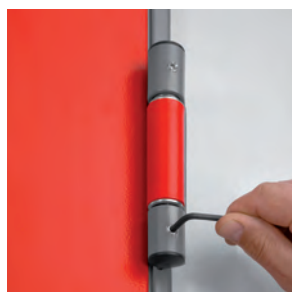
STANDARD ELEMENTS

Door leaf

- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded and electro welded
- Perimetral rebate on 4 sides
- Heat-insulated with mineral wool
- Internal stiffeners for overhead door closer and panic bar
- Thickness of 60mm

Doorframe

- Made of "Sendzimir" processed hot-galvanized sheet metal
- Grooves for rebate sealing
- Suitable for anchors for mortar fixing or expansion screws
- Detachable rebate for application on finished flooring
- Removable threshold for thresholdless installation (except for external doors **CE** marked)
- Strike plates in black plastic for lock bolt
- Assembled doorframes for one-leaved doors
- Assembly required for two-leaved doorframes



Hinges

- Nr. 2 three-wing hinges for each leaf
- of which one 1 ball-bearing hinge with screws for vertical adjustment of the leaf, **CE** marked as per EN 1935, classified for up to 160 kg load, 200.000 cycles durability, suitable for fire door use
- and one hinge with self-closing spring

Safety bolts

- Nr. 2 safety bolts on hinge side leaf edge

Locking mechanism

- Reversible locking mechanism with bolt and central latch
- Insert with patent key, Euro profile cylinder ready

Handle

- Handle in black plastic with steel core
- Steel installation plate with cylinder hole
- Cover plate in black plastic
- Fastener screws and patent key insert

Features

UNIVER multipurpose doors

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INCLUDED ACCESSORIES

Safety lock

- "Flush-bolt" automatic locking of the inactive leaf
- Lever control for unlocking

Upper coupling system for the inactive leaf

- Inactive leaf lock activated device which inserts rod into the upper strike box
- Upper strike box in black plastic with steel roller

Lower coupling system for the inactive leaf

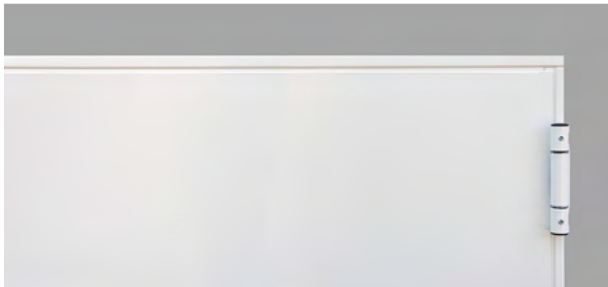
- Vertical rod with steel point which inserts into lower strike box
- Floor catch (floor-mounted bushing) in black plastic, for doors without threshold
- Floor catch in black plastic with steel roller, for doors with threshold

Identification plate

- Metal tag with door identification data



Standard paint - group 01: RAL 9010



Finishing

- Standard paint with epoxy-polyester thermoset powders in a 180 degrees oven, orange skin, anti-scratch finishing
- Standard paint RAL 9010

Standard packaging

- Single door wrapped into stretchable polyethylene (PE) film
- Assembled doorframes for one-leaved doors
- Assembly required for doorframes for two-leaved doors
- Palletized on wooden pallets

NOTE

If the door ever needs to be repainted, follow the precise instructions on the "Painting" page.

OPTIONAL ACCESSORIES

A wide variety of accessories and surface finishes are available on request for maximum value enhancement of Univer doors to your own specific needs.

The proper accessories can help resolve:

Safety-related needs

- Doors for panic exits (see panic bars)
- Doors for emergency exits (see emergency exit handles)

Installation and utilization needs

- Frame extensions
- Drip steel-profile
- Kick and protection plates in stainless steel
- Windows
- Ventilation grills
- Roofing

Access-related control issues

- Electrically-activated lock mechanisms MAC
- Electric handle mechanisms
- Magnetic blocking mechanisms

Performance enhancing

- Sealing
- Cylinders
- Door closers
- Special handles



Customized finishing

- Select finishing from a wide variety of RAL colours
- NDD – Ninz Digital Decor, graphic images applied with special ink jets and protected by a transparent topcoat. Infinite varieties of customizable decorations in harmony with specific door settings
- Stainless steel handles
- Colored handles

Packaging for maximum protection

Sturdy wooden crates protect all doors and related accessories

- For NDD decorated doors
- On construction sites
- During shipping abroad
- For special transport

The following optional accessories make Univer doors irreversible, requiring the indication of the door opening direction when the order is placed:

- SLASH panic bar
- Panic bar for inactive leaves
- Window and ventilation grills
- MAC locks
- ELM/cisa and ELM/mt electric handle
- Special locks (Stel 15)
- NDD - Ninz Digital Decor

Right-opening (Right) doors are the default selection if opening direction is not specified.



NOTE

Details about optional accessories may be found in the present brochure in chapters:

- Painting and NDD decorations
- Accessories for metal doors
- Emergency handles and panic bars

Specific optional accessories

UNIVER multipurpose doors

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MULTIPURPOSE WINDOW WITH METAL WINDOW FRAME

Upon request one- and two-leaved doors may be equipped with round or rectangular windows, with different types of glass and respective window frames fixed with screws. The window frame carters are included for round window and available as an optional accessory for the rectangular one.

Production limits

Window sizes are standard and the minimum border strips around the window may not be reduced.

Borders, window position

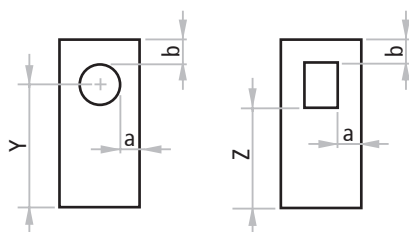
„Border measurement“ refers to the distance from the edge of the window to the wall opening of the door.

Elevation for round windows

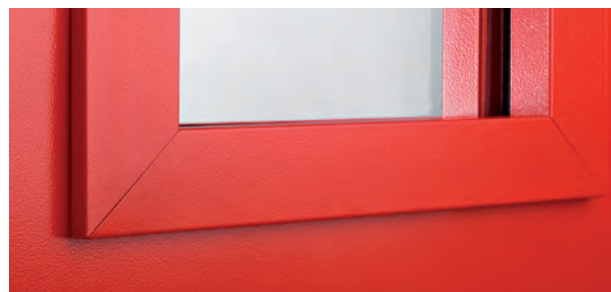
window dimensions	FM H	position
Ø 300	minimum 1950	Y=1600
Ø 300	less than 1950	Y=FM H - 350
Ø 400	minimum 2150	Y=1600
Ø 400	1950-2149	Y=1550
Ø 400	less than 1950	Y=FM H - 400

Elevation of rectangular windows

window dimensions L x H	FM H	position
250/300 x 400	minimum 2150	Z=1450
250/300 x 400	1950-2149	Z=1350
250/300 x 400	less than 1950	Z=FM H - 600



Window dimensions		min. border		dimensions FM L min.
		a	b	
	Ø 300	200	200	700
	Ø 400	200	200	800
	Ø 300	200	200	L1 700 + L2 400
	Ø 400	200	200	L1 800 + L2 400
	Ø 300	200	200	L1 700 + L2 700
	Ø 400	200	200	L1 800 + L2 800
	250 x 400	200	200	650
	300 x 400	200	200	700
	250 x 400	200	200	L1 650 + L2 400
	300 x 400	200	200	L1 700 + L2 400
	250 x 400	200	200	L1 650 + L2 650
	300 x 400	200	200	L1 700 + L2 700



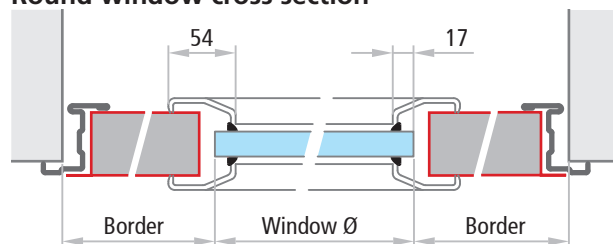
NOTE

For the rectangular windows the frame carters are an optional accessory

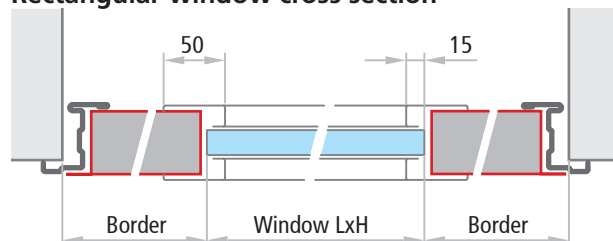
Glasses available

		shapes
laminated, 2B2 rated	3 + 3 mm	rectangular, circular
laminated, 2B2 rated	4 + 4 mm	rectangular
low emission double glass window with 2 laminated glazings 2B2 rated	3+3 / 12 / 3+3 mm	rectangular

Round window cross section



Rectangular window cross section



NOTE

The positions indicated above are those standard. Different positions may be considered as long as they respect the minimum „a“ and „b“ border strips. The window itself may not be supplied separately except for replacements. It is always advisable to equip doors with windows with a closing regulator.

MULTIPURPOSE WINDOW
WITH RUBBER WINDOW FRAME

On request, one- and two-leaved doors may be equipped with round or rectangular windows, with laminated 3+3mm glass, 2B2 rated, framed with a black rubber EPDM profile.

The corners of rectangular windows are rounded (radius of approx. 100mm).

Production limits

Window sizes are standard and the minimum window border strip measurements may not be reduced.

Borders, window position

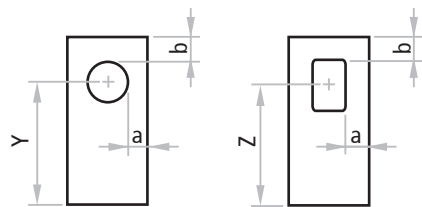
“Border measurement” refers to the distance from the edge of the window to the wall opening of the door.

Elevation of round windows

window dimensions	FM H	position
Ø 300	minimum 1950	Y=1600
Ø 300	less than 1950	Y=FM H - 350
Ø 400	minimum 2000	Y=1600
Ø 400	less than 2000	Y=FM H - 400

Elevation of rectangular windows

window dimensions L x H	FM H	position
300 x 500	minimum 1950	Z=1500
300 x 500	less than 1950	Z=FM H - 450
400 x 700	minimum 2050	Z=1500
400 x 700	less than 2050	Z=FM H - 550

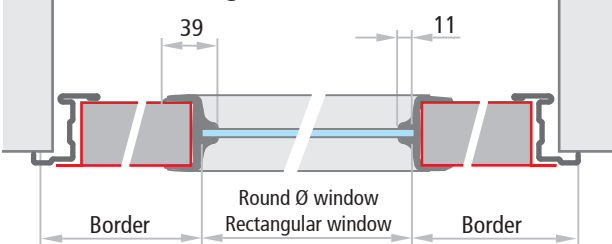


NOTE

The positions indicated above are those standard. Different positions may be considered as long as they respect the minimum “a” and “b” borders. It is always advisable for doors with windows to be equipped with door closers for controlled closing.



Round and rectangular window cross sections



Window dimensions minimum border FM L min. dimensions

		minimum border		FM L min. dimensions
		a	b	
	Ø 300	200	200	700
	Ø 400			800
	Ø 300	200	200	L1 700 + L2 400
	Ø 400			L1 800 + L2 400
	Ø 300	200	200	L1 700 + L2 700
	Ø 400			L1 800 + L2 800
	300 x 500	200	200	700
	400 x 700			800
	300 x 500	200	200	L1 700 + L2 400
	400 x 700			L1 800 + L2 400
	300 x 500	200	200	L1 700 + L2 700
	400 x 700			L1 800 + L2 800

Specific optional accessories

UNIVER multipurpose doors

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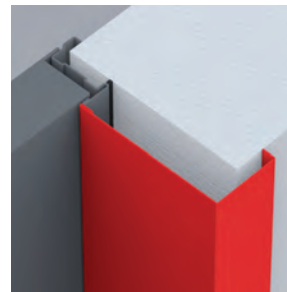
UNIVER
multipurpose

FRAME EXTENSIONS FOR UNIVER DOORS

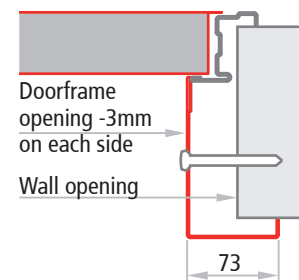
IM 12

Frame extension to be mounted in addition to the Univer frame acting as wall cladding. Made of „Sendzimir“ processed hot-galvanized sheet metal and painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint, fixing with screws and plugs (screws and plugs not included).

IM 12: for installation on 80mm (min.) wall thickness



Frame extension IM 12



IM 14

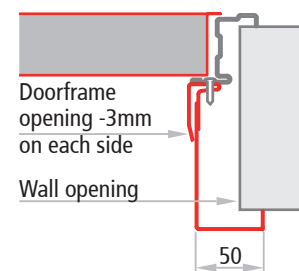
Telescopic frame extension to be screwed to the Univer doorframe acting as wall cladding. Consists of two overlapping profiles with a 25mm adjustable range. Made of „Sendzimir“ processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint.

Complete with fastener screws. To mount the frame extension, fixing holes need to be drilled into doorframe on site. Combine with sealing to conceal the screw heads.

IM 14: for installation on 135mm (min.) wall thickness

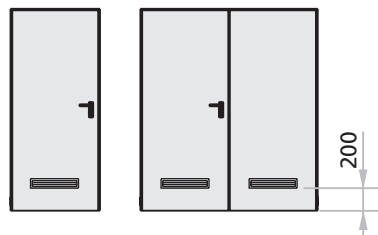


Frame extension IM 14



VENTILATION LOUVER

Ventilation louver made of either black or white PVC, 482x99mm (air passage approx. 150cm²). The opening direction of the door needs to be specified.



REBATE SEALING CR

Rebate sealing in black extruded profile to cut and to be pressed into the dedicated groove of the perimetral frame.

Sealing in black extruded profile self-adhesive to cut for application to the central joint of two-leaved doors.



INTERNAL PEDESTRIAN DOORS



Pedestrian interior doors are not yet subject to CE marking as the relevant standard EN 14351-2 has not yet been harmonized. The performances listed in the standard can however be used as a reference for classifying the door for indoor uses, such as:

- air permeability according to EN 1026:2001
- thermal transmittance according to EN ISO 10077-1:2018 e EN ISO 10077-2:2018

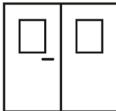
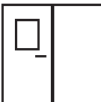
ATTENTION

For the dimensional limits, minimum border measurements or production possibilities please refer to the specific pages of this brochure.

The values for the thermal transmittance W/m^2K shown in the table on the next page are given by the calculation according to the norm EN ISO 10077-1 done on samples of the dimensions 1,23x2,18 for areas $\leq 3,6m^2$ and on samples of the dimensions 2,00x2,18 for areas $> 3,6m^2$.

All performance values indicated in the table are valid only in presence of the following accessories or enhancements:

- Combo Thermo/CB (with lower threshold)
 - frame on all 4 sides
 - if the door is installed on an escape route, it is necessary to fill the difference in height on the push side between the floor and the lower threshold with cement mortar or polyurethane foam
 - isolation of the door frame with the filling of cement mortar or polyurethane foam
 - installation of rubber seals along the entire perimeter of the door frame including the central rebate for double leaved doors
 - sealing of the perimeter of the frame (push side) with neutral silicone
- Combo Thermo/SB (without lower threshold)
 - isolation of the door frame with the filling of cement mortar or polyurethane foam
 - installation of rubber seals along the 3 sides of the frame including the central rebate for two-leaved doors

UNIVER multipurpose doors		DIMENSION FM L X H	Combo Thermo/CB with lower threshold and gasket on all 4 sides	Combo thermo/SB without lower threshold and gasket on 3 sides
Test report CPR/35/07/2019				
Without windows 	UNI EN 1026:2001	≤ 3,6 m2		
	Air permeability		Classe 2	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		1,60 W/m²K	1,60 W/m²K
With windows 300x400 	UNI EN 1026:2001	≤ 3,6 m2		
	Air permeability		Classe2	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		1,90 W/m²K	1,90 W/m²K
Without windows 	UNI EN 1026:2001	≤ 3,6 m2		
	Air permeability		Classe3	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		2,00 W/m²K	2,00 W/m²K
	UNI EN 1026:2001	> 3,6 m2		
	Air permeability		Classe 3	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		1,60 W/m²K	1,60 W/m²K
With window 300x400  	UNI EN 1026:2001	≤ 3,6 m2		
	Air permeability		Classe 3	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		2,40 W/m²K	2,40 W/m²K
	UNI EN 1026:2001	> 3,6 m2		
	Air permeability		Classe 3	N.P.D.
	UNI EN 10077-1-2:2018			
	Thermal transmittance		2,10 W/m²K	2,10 W/m²K

INTERNAL PEDESTRIAN DOORS

Test report IFT N° 16-000122-PR03



SMOKE CONTROL

This is the ability of a door set to reduce or eliminate the passage of smoke from one side of the door to the other. Two levels of smoke performance are defined.

Smoke control Sa: when the maximum dispersion value measured at room temperature and at a pressure of 25 Pascal is not greater than 3 m³/h per metre through the gap between the door leaf and the door frame excluding eventual losses through the floor threshold.

Smoke control S200: when the maximum dispersion value, measured at room temperature and 200 C and up to a pressure of 50 Pascal, is not greater than 20 m³/h for a single door or 30 m³/h for a two-door door.

The smoke tightness is verified with a specific technical test in accordance with UNI EN 1634-3, while the classification is provided by UNI EN 13501-2 according to the following criteria:

Sa considers only the seal at room temperature

S200 considers the seal at room temperature and at 200 C

The price list lists the Combos which add these additional performances to the door.

ATTENTION

The smoke control performance is only valid in presence of the following accessories or enhancements:

- no fixed threshold
- filling of the slot between frame and wall with cement mortar
- installation of rubber seals along the entire perimeter of the door frame including the central rebate for double leaved doors
- presence of the automatic door sweep
- closing regulator RC/STD for the correct closure of double leaved doors



Nachweis
Rauchdichtheit und selbstschließende
Eigenschaft von Bauteilen

Klassifizierungsbericht
Nr.: 21-000932-PR02
(KB-C05-01-de-01)

ift
ROSENHEIM

Auftraggeber
NINZ s.p.a.
Corso Trento 2/A
38061 ALA
(Italien)

**Erstellt durch die
notifizierte Stelle**
ift Rosenheim GmbH
Theodor-Gietl-Straße 7-9
83026 Rosenheim
(Deutschland)

**Nummer der
notifizierten Stelle**
0757

Bezeichnung
"UNIVER Multi EI_s 30 / EI_s 60 / EW 60 / REI 60 / EI_s 90 /
REI 120"
(nach den Angaben des Auftraggebers)

Klassifizierung
Klassifizierung zum Rauchdichtheit und selbstschließende
Eigenschaft
nach EN 13501-2:2007+A1:2009 / EN 13501-2:2016

Ausgabennummer
1

Rauchschutzabschluss

Klassifizierung
S_s / S₂₀₀ C5

ift Rosenheim
13.01.2022

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Leitung Technische Bewertung
Zertifizierungs- & Überwachungsstelle

Christine Schmaus, Dipl.-Ing. (FH)
Projektingenieur
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Grundlagen
EN 13501-2:2007+A1:2009
EN 13501-2:2016
EN 1634-3:2004/AC:2008
EN 191:2012
EN 1634:2014

Vorweshinweise
Dieser Klassifizierungsbericht
definiert die Klassifizierung, die
dem Bauteil gemäß Produkt-
name in Übereinstimmung mit
dem Verfahren nach
EN 13501-2 zugeordnet wird.
Dieses Dokument stellt keine
Typgenehmigung oder Zerti-
fizierung dar.
Gültigkeit
Der Nachweis ermöglicht keine
Aussage über weitere lei-
stungs- und qualitätsbestim-
menden Eigenschaften des Pro-
dukts.
Vorfachhinweise
Es gilt das ift Merkblatt „Bedin-
gungen und Hinweise zur Be-
nutzung von ift-Zertifikaten“.

Inhalt
Dieser Klassifizierungsbericht
besteht aus 13 Seiten und darf
nicht auszugsweise benutzt
oder auszugsweise reprodu-
ziert werden.
1. Einleitung
2. Details zum klassifizierten
Produkt
3. Prüfberichte/Beichte zum
erweiterten Anwendungsbe-
reich und Prüfergebnisse
zum Nachweis der Klassi-
fizierung
4. Klassifizierung und Anwen-
dungsbereich
5. Einschränkungen

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Prüfung und Zertifizierung
ift Rosenheim
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83026 Rosenheim
Zertifizierung: Bauteile und Systeme – EN 13501-2:2016
Zertifizierung: Bauteile und Systeme – EN 13501-2:2007+A1:2009

ift Rosenheim 0757
Theodor-Gietl-Str. 7-9
83026 Rosenheim

Logo
Logo

Additional performances

UNIVER multipurpose doors

NINZ[®]
FIRE DOORS

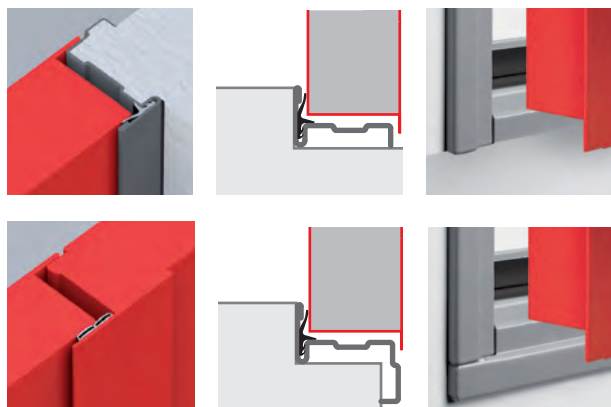
EXTERNAL PEDESTRIAN DOORS

Certificato CE 1404 - CPR -3736
EN 16034:2014 e EN 14351-1:2006+A2:2016



According to standards EN 16034 and EN 14351-1, an external door is defined as a door that separates the internal climate from the external environment of a building. For this application, doors must be CE marked in accordance with EN 16034:2014 and EN 14351-1:2006+A2:2016. Furthermore, if the door is installed along an escape route and equipped with a panic or emergency exit device, it is also subject to the assessment and verification of constancy of performance under "System 1". This requires the manufacturer to hold a Certificate of Constancy of Performance issued by a Notified Body — for NINZ S.p.A., this is certificate 1404 - CPR - 3736.

Univer for external use must be ordered with the specific CE Combo Est options available in the Univer multipurpose price list, selected based on the essential requirements indicated in the tables on the following pages, and considering those that are mandatory according to the applicable national regulations. This ensures that each door is provided with the required CE marking and the documentation specified by the current legislation.



Essential requirements*	EN 16034	EN 14351
Fire resistance	YES	NO
Smoke control	YES	NO
Self - closing	YES	NO
Durability of performance	YES	NO
Thermal insulation	NO	YES
Air permeability	NO	YES
Water tightness	NO	NO
Acoustic performance	NO	NO
Wind resistance	NO	NO
Load-bearing capacity of safety devices	NO	YES
Release/unlocking capability (mandatory for doors installed on escape routes)	NO	YES
Minimum clear passage height: 2000 mm	NO	YES

* Required under binding national provisions

ATTENTION

For dimensional limits, minimum edge requirements and production options, please refer to the specific pages of this catalogue. The thermal transmittance values (W/m²K) shown in the tables on the following pages are calculated in accordance with EN ISO 10077-1, applied to samples measuring 1.23 x 2.18 m for areas ≤ 3.6 m² and to samples measuring 2.00 x 2.18 m for areas > 3.6 m². All performance values listed in the table are valid only if the door is installed with the following accessories and measures:

- presence of a bottom rebate threshold
- in case of installation along an escape route, the floor on the push side must be raised to fully level the gap between the floor and the bottom threshold
- frame insulation by filling with polyurethane foam or cement-based mortar
- application of sealing gaskets along the entire perimeter of the frame and on the central mullion in double-leaf doors
- sealing of the frame's perimeter edge (on the push side) with neutral silicone
- for doors with vision panels: installation of external fire-resistant glazing sized 300x400 mm

NOTES

For information regarding outdoor installation, please refer to the "Warnings" section on the last page of this catalogue.



ZAVOD ZA
GRADBENIŠTVO
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INSTITUTE
Drobovska ulica 12
1000 Ljubljana
Slovenia
info@zag.si
www.zag.si
Notified certification body
NB 1404

Certificate of constancy of performance

1404 – CPR – 3736

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Single and double leaf door UNIVER MULTI
(doors that fall within the scope of standard EN 14351-1:2006+A2:2016)

placed on the market under the name or trade mark of
NINZ S.p.A.,
Corso Trento 2, 38061 Ala (TN), Italy
and produced in the manufacturing plant
NINZ S.p.A.,
Corso Trento 2, 38061 Ala (TN), Italy.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 16034:2014 and EN 14351-1:2006+A2:2016

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 4. 6. 2024 and will remain valid until 4. 6. 2029 as long as neither the harmonised standards, the construction products, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Detailed information about the scope of the product is given in the annex to this certificate.

Ljubljana, 4. 6. 2024

Authorised signatory of the Certification body:
mag. Egon Mlasič, univ. dipl. inž. grad.

Egon Mlasič

ZAG-001-208-001

This certificate has a total of 2 pages

Certificate No. 1404 – CPR – 3736, issue 1

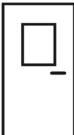
UNIVER
multipurpose

Additional performances

UNIVER multipurpose doors



UNIVER
multipurpose

UNIVER multipurpose  Certificate CE: 1404 - CPR -3736		Angular frame	Combo with bottom rebate, CR compression seal on all 4 sides and door closer for C5 version		Combo with CR compression seal on 3 sides, drop-down seal and door closer for C5 version	
			CE	CE C5	CE S200/GS CE S 200/GSV	CE S200/GS C5 CE S200/GSV C5
Without window 	EN 16034:2014					
	Fire resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Smoke control	✓	N.P.D.	N.P.D.	Sa / S200	Sa / S200
	Ability to release / lock	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Self-closing	✓	C	C	C	C
	Durability of release mechanism	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Durability of self-closing					
	- against degradation	✓	0	5	0	5
	- against corrosion	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	2	2	2	2
	Water tightness	✓	2A	2A	N.P.D.	N.P.D.
	Wind load resistance					
	- door with FM ≤ 900x2150	✓	C2	C2	N.P.D.	N.P.D.
	- door with FM > 900x2150	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Impact resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance	✓	1,60 W/m²K	1,60 W/m²K	N.P.D.	N.P.D.
	Ability to release / open	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
With window 300x400 	EN 16034:2014					
	Fire resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Smoke control	✓	N.P.D.	N.P.D.	Sa / S200	Sa / S200
	Ability to release / lock	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Self-closing	✓				
	Durability of release mechanism	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Durability of self-closing					
	- against degradation	✓	0	5	0	5
	- against corrosion	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	2	2	2	2
	Water tightness	✓	2A	2A	N.P.D.	N.P.D.
	Wind load resistance					
	- door with FM ≤ 900x2150	✓	C2	C2	N.P.D.	N.P.D.
	- door with FM > 900x2150	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Impact resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance	✓	1,90 W/m²K	1,90 W/m²K	N.P.D.	N.P.D.
	Ability to release / open	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.

UNIVER multipurpose  Certificate CE: 1404 - CPR -3736		Angular frame	Combo with bottom rebate, CR compression seal on all 4 sides and door closer for C5 version		Combo with CR compression seal on 3 sides, drop-down seal and door closer for C5 version	
			CE	CE C5	CE S200/GS CE S 200/GSV	CE S200/GS C5 CE S200/GSV C5
Without win- dow -	EN 16034:2014					
	Fire resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Smoke control	✓	N.P.D.	N.P.D.	Sa / S200	Sa / S200
	Ability to release / lock	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Self-closing	✓	C	C	C	C
	Durability of release mechanism	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Durability of self-closing					
	- against degradation	✓	0	5	0	5
	- against corrosion	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	3	3	3	3
	Water tightness	✓	3A - 9B	3A - 9B	N.P.D.	N.P.D.
	Wind load resistance					
	- doow with FM ≤ 2000x2150	✓	C2	C2	N.P.D.	N.P.D.
	- door with FM > 2000x2150	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Impact resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance FM ≤ 3,6 m²	✓	2,00 W/m²K	2,00 W/m²K	N.P.D.	N.P.D.
	Thermal transmittance FM > 3,6 m²	✓	1,60 W/m²K	1,60 W/m²K	N.P.D.	N.P.D.
	Ability to release / open	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
With window 300x400 -	EN 16034:2014					
	Fire resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Smoke control	✓	N.P.D.	N.P.D.	Sa / S200	Sa / S200
	Ability to release / lock	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Self-closing	✓	C	C	C	C
	Durability of release mechanism	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Durability of self-closing					
	- against degradation	✓	0	5	0	5
	- against corrosion	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	3	3	3	3
	Water tightness	✓	3A - 9B	3A - 9B	N.P.D.	N.P.D.
	Wind load resistance					
	- doow with FM ≤ 2000x2150	✓	C2	C2	N.P.D.	N.P.D.
	- door with FM > 2000x2150	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Impact resistance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance FM ≤ 3,6 m²	✓	2,40 W/m²K	2,40 W/m²K	N.P.D.	N.P.D.
	Thermal transmittance FM > 3,6 m²	✓	2,10 W/m²K	2,10 W/m²K	N.P.D.	N.P.D.
	Ability to release / open	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.

Installation methods

UNIVER multipurpose doors

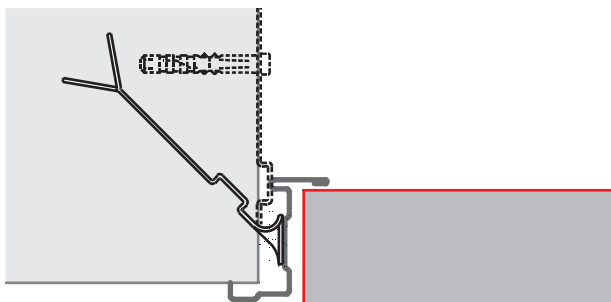
NINZ
FIREDOORS

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multipurpose

INSTALLATION WITH ANCHORS FOR MORTAR FIXING

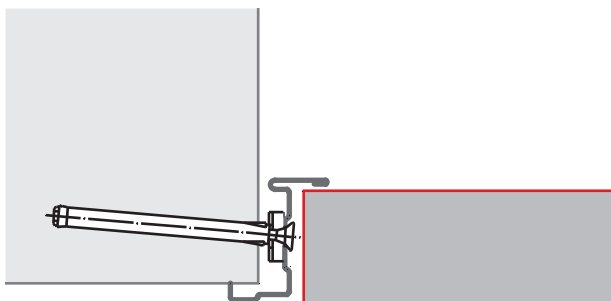


For mortar fixing, appropriate cuts will need to be created in the walls (section 80 x 200 mm) or the anchors should be fixed with expansion screws. The anchors should be bent and blocked inside the wall. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam; the filling with polyurethane foam is mandatory in case of external use with **CE** marking or in case of doors with smoke control.



INSTALLATION FOR EXPANSION SCREWS FIXING

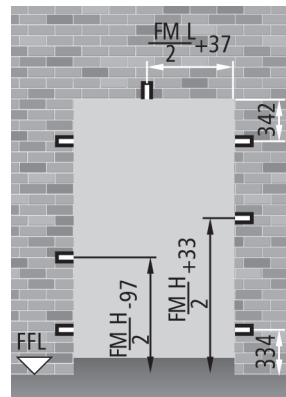
For the installation with expansion screws, the anchors serve as spacers and should not be bent. Using Würth type art. 0910436112 plugs or similar (supplied at the customer's expense), installation is done with expansion screws into the pre-drilled holes present on the frame. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam; the filling with polyurethane foam is mandatory in case of external use with **CE** marking.



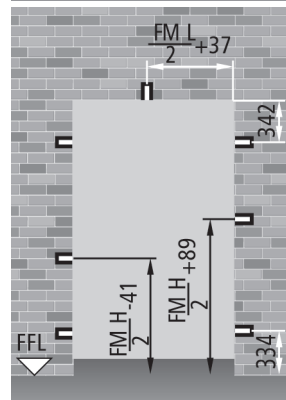
ANCHOR POSITIONING

One-leaved doors

Right opening

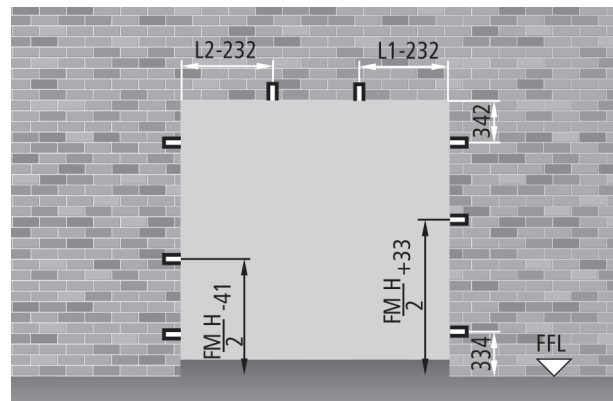


Left opening

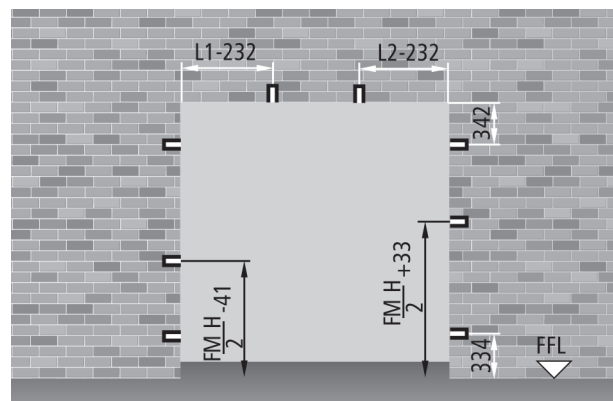


Two-leaved doors

Right opening



Left opening



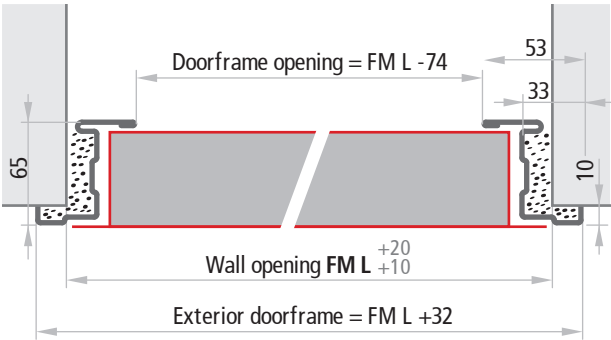
Door cross sections - Measurements

UNIVER multipurpose doors

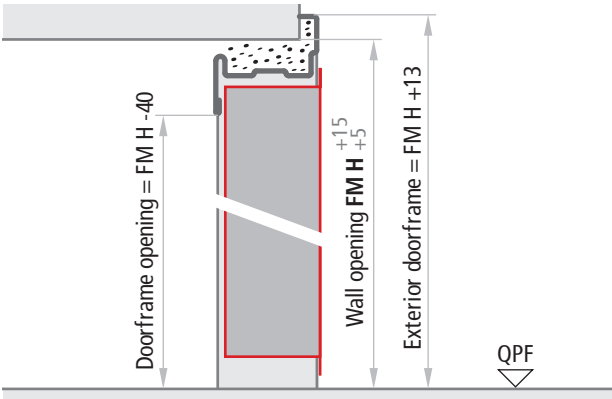


UNIVER
multipurpose

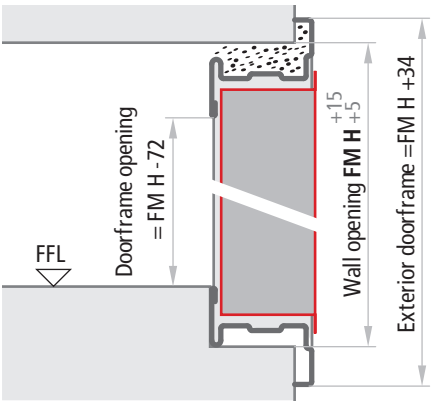
One-leaved doors
Horizontal cross section



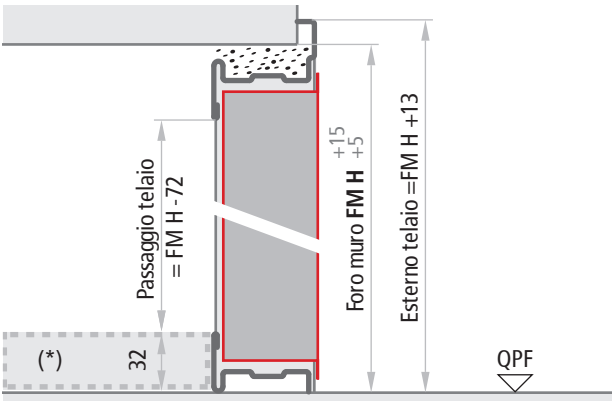
Doors without lower threshold
Vertical cross section



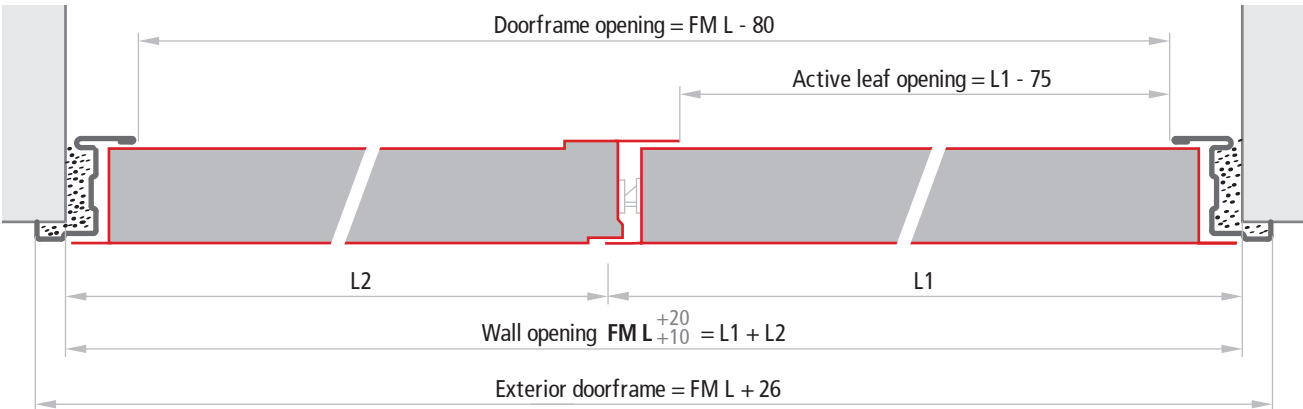
Doors with internal and external lower threshold
Vertical cross section



Doors with internal lower threshold
Vertical cross section



Two-leaved doors
Horizontal cross section



Leaves thickness

MULTIPURPOSE 60 mm

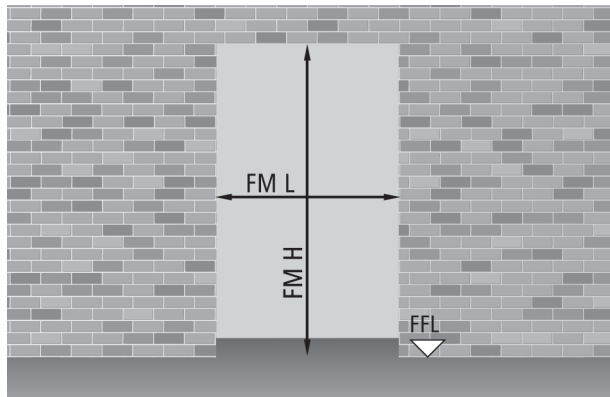
NOTE

The tolerances $FM L +20$, $FM H +15$ of the indicated measurements make it easier to fill the gap between the wall and the doorframe with cement mortar. For dry wall installation, the holes must be precise and greater tolerance ranges should not be employed.

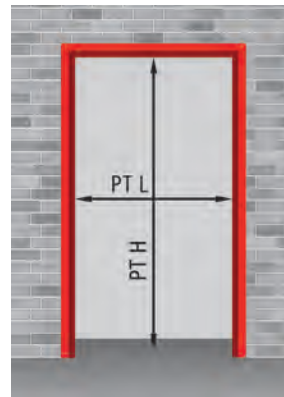
*) Shimming to be done, mandatory in case of installation onto emergency exit routes.

ORDER MEASUREMENTS

Wall opening



Doorframe opening



One-leaved door FM L x FM H

standard dimensions

800	x	2050 / 2100 / 2150
900	x	2050 / 2100 / 2150
1000	x	2050 / 2100 / 2150
1100	x	2050 / 2100 / 2150
1200	x	2050 / 2100 / 2150
1300	x	2050 / 2100 / 2150
1350	x	2050 / 2100 / 2150

non-standard dimensions

from 500 to 1350 x from 1780 to 2200

One-leaved doors

$$PT L = FM L - 74$$

$$PT H = FM H - 40$$

doorframe opening

826	x	2010 / 2060 / 2110
926	x	2010 / 2060 / 2110
1026	x	2010 / 2060 / 2110
1126	x	2010 / 2060 / 2110
1226	x	2010 / 2060 / 2110
1276	x	2010 / 2060 / 2110

Two-leaved doors FM L (L1+L2) x FM H

standard dimensions

1150	(750 + 400)	x	2050 / 2100 / 2150
1200	(800 + 400)	x	2050 / 2100 / 2150
1250	(800 + 450)	x	2050 / 2100 / 2150
1300	(900 + 400)	x	2050 / 2100 / 2150
1350	(900 + 450)	x	2050 / 2100 / 2150
1400	(1000 + 400)	x	2050 / 2100 / 2150
1450	(1000 + 450)	x	2050 / 2100 / 2150
1600	(800 + 800)	x	2050 / 2100 / 2150
1700	(900 + 800)	x	2050 / 2100 / 2150
1800	(900 + 900)	x	2050 / 2100 / 2150
1900	(1000 + 900)	x	2050 / 2100 / 2150
2000	(1000 + 1000)	x	2050 / 2100 / 2150

non-standard dimensions

from 900 (500+400) to 2000 (1000+1000) x from 1780 to 2200

PT L x PT H

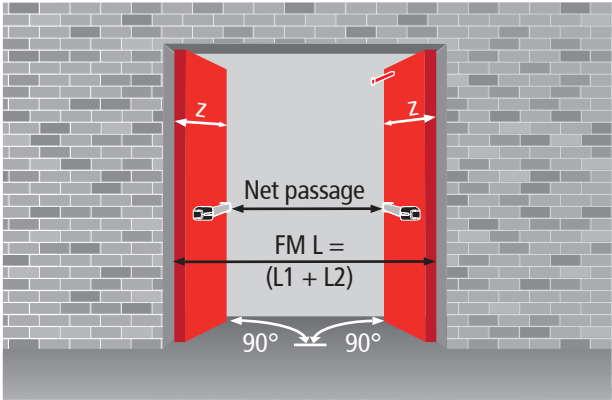
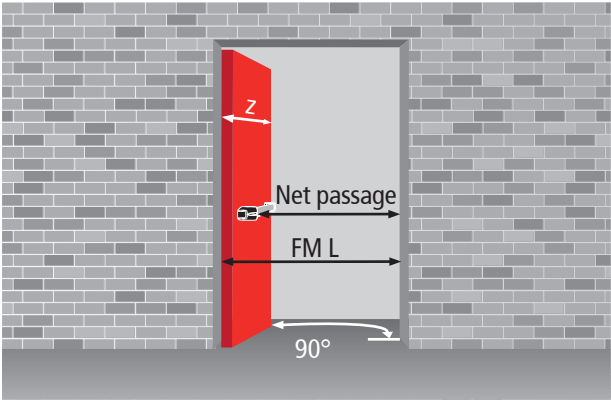
doorframe opening

1076	x	2010 / 2060 / 2110
1126	x	2010 / 2060 / 2110
1176	x	2010 / 2060 / 2110
1226	x	2010 / 2060 / 2110
1276	x	2010 / 2060 / 2110
1326	x	2010 / 2060 / 2110
1376	x	2010 / 2060 / 2110
1526	x	2010 / 2060 / 2110
1626	x	2010 / 2060 / 2110
1726	x	2010 / 2060 / 2110
1826	x	2010 / 2060 / 2110
1926	x	2010 / 2060 / 2110

NOTE

Unless specified otherwise by the customer, two-leaved doors are supplied with a right-pull opening direction.

OPENING MEASUREMENTS AND OVERALL DIMENSIONS WITH 90 DEGREE OPENING



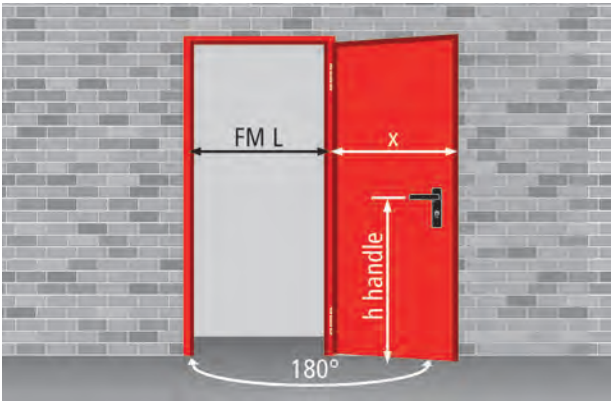
Net passage calculation

panic bar type	protrusion	one-leaved door	two-leaved door
EXUS	125	FML - 236	FML - 404
TWIST	100	FML - 211	FML - 354
SLASH	75	FML - 186	FML - 304
FAST TOUCH	75	FML - 186	FML - 304
without panic bar	-	FML - 111	FML - 154
z = leaf protrusion relative to the wall		FML + 29	L1 + 35 L2 + 64

OVERALL DIMENSIONS WITH 180 DEGREE OPENING - HANDLE HEIGHT

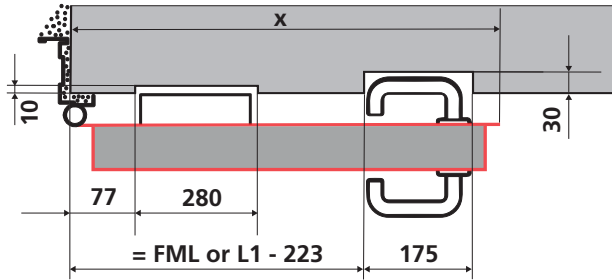
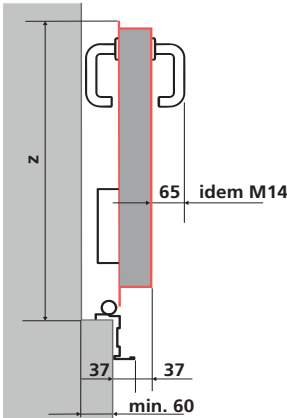
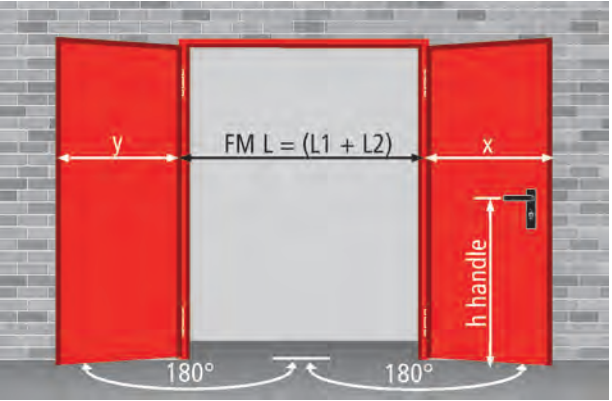
One-leaved door

$z = FML + 29$
 $x = FML + 5$
 $h \text{ handle} = FMH/2 + 50$



Two-leaved door

$z = L1 + 35$
 $z = L2 + 64$
 $h \text{ handle} = FMH/2 + 50$
 $x = L1 + 5$
 $y = L2 + 35$



**"safer because
they are sturdier"**

Ascensore/Lift





PROGET NINZ Doors

MULTIPURPOSE VERSION

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Features

PROGET multipurpose doors

NINZ[®]
FIREDOORS

THE MULTIPURPOSE DOOR IN A CLASS OF ITS OWN

„Indisputable quality“

- Especially sturdy door for safe functioning over time
- Built to order for all kinds of requests
- Fully galvanized door, including the “hidden” parts
- Made of “Sendzimir” processed hot-galvanized sheet metal
- Corrosion protection also provided along cut edges of the metal sheets
- Painted with epoxy-polyester thermoset powders in a 180 degrees (Celsius) oven
- Substantial paint layer (70 microns plus)
- Optimal corrosion resistance demonstrated by 500 hour salt-fog test
- Unaffected by severe climate changes, demonstrated by 2000 hours with +60° to -10° cycles at 75% humidity
- Finishing with high-quality aesthetics
- Orange skin anti-scratch structured paint
- Customizable with wide selection of RAL colors

CE marking for external use

- Wind resistance and water tightness
- Acoustic and thermal isolation
- Air permeability
- Suitable for use with panic bar

“Practicality of use”

- Truly sturdy frame that facilitates anchoring to the wall
- Suitable for all types of walls
- Ample size range
- Wide variety of accessories
- Easy installation

“Versatility”

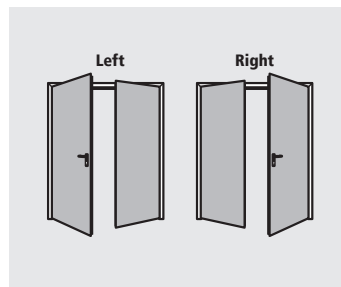
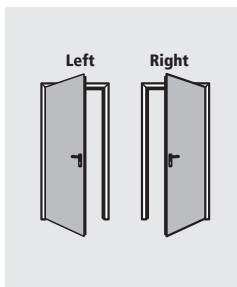
- Very wide field of application
- Can be combined with various frame types
- Installation onto any wall type
- Installation with a block frame possible

“Manufacturing technology”

- Manufacturing in modern and functional facilities which employ the latest technologies to maintain high quality levels and product uniformity
- The entire production process - from raw materials to painted and packaged products - takes place inside Ninz’s own facilities, ensuring a 360 degree door control

Opening direction

Opening direction needs to be indicated while ordering



One-leaved doors



Two-leaved doors

Features

PROGET multipurpose doors

NINZ[®]
FIREDOORS

STANDARD ELEMENTS

Door leaf

- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded and electro welded
- Perimetral rebate on 3 sides, flat at the bottom
- Internally reinforced with hot-galvanized steel profiles
- Heat-insulated treated mineral wool packing that is rigidly joined to the sheet metal
- Internal stiffeners for overhead door closer and panic bar
- Thickness of 60mm

Standard frame

- Sturdy profile with a sizeable cross section
- Made of "Sendzimir" processed hot-galvanized sheet metal
- Equipped with special assembly brackets
- Grooves for rebate sealing
- Standard installation via anchors for mortar fixing
- Upon request installation via expansion or installation screws (delivered without wall anchors)
- Lower spacer, mounting template
- Rests on finished flooring without rebate
- Strike plates in black plastic for lock bolt and safety bolts
- Assembly required for doorframes



Hinges

- Nr. 2 three-wing hinges for each leaf
- of which one ball-bearing hinge with screws for vertical adjustment of the leaf, **CE** marked as per EN 1935, classified for up to 160 kg load, 200.000 cycles durability, suitable for fire door use
- and one hinge with self-closing spring

Safety bolts

- Nr. 1 sturdy safety bolt applied on hinge side leaf edge

Locking mechanism

- Reversible locking mechanism with bolt and central latch
- Insert with patent key, Euro profile cylinder ready

Handle

- Handle in black plastic with steel core
- Steel installation plate with cylinder hole
- Cover plate in black plastic
- Fastener screws and patent key insert



PROGET
multipurpose

Features

PROGET multipurpose doors

NINZ[®]
FIREDOORS

PROGET
multipurpose

INCLUDED ACCESSORIES

Locking mechanism on inactive leaf

- "Flush-bolt" automatic latching of the inactive leaf
- Lever control for unlocking

Upper coupling system for the inactive leaf

- Inactive leaf lock activated device which inserts rod into the upper strike box
- Upper strike box in pierced steel with steel roller

Lower coupling system for the inactive leaf

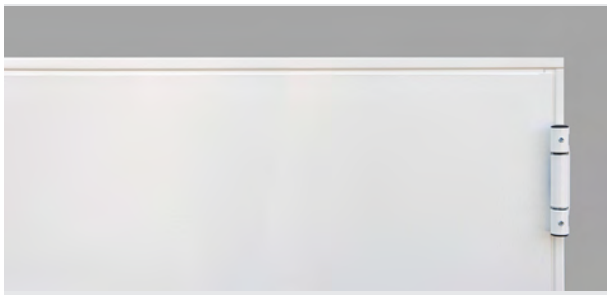
- Vertical rod with steel point which inserts into lower strike box
- Lower floor catch (floor-mounted bushing) made of black plastic with rebate stopper

Identification plate

- Metal tag with door identification data



Standard paint - group 01: RAL 9010



Finishing

- Standard paint with epoxy-polyester thermoset powders in a 180 degrees oven, orange skin, anti-scratch finishing
- Standard paint RAL 9010

Standard packaging

- Single leaf wrapped into stretchable polyethylene (PE) film
- Single packaging for each doorframe with stretchable polyethylene (PE) film
- Palletized on wooden pallets

NOTE

If the door ever needs to be repainted, follow the precise instructions on the "Painting" page.

Features

PROGET multipurpose doors



OPTIONAL ACCESSORIES

A wide variety of accessories and surface finishes are available on request for maximum value enhancement of Proget doors to your own specific needs.

The proper accessories can help resolve:

Safety-related needs

- Doors for panic exits (see panic bars)
- Doors for emergency exits (see emergency exit handles)
- Three-point locking mechanism

Installation and utilization needs

- Special frames
- Frame extensions
- Different kinds of floor mounted catches
- Roofing and drip steel-profile
- Special installation screws
- Kick and protection plates in stainless steel
- Rectangular windows, standard or built to order
- Round windows
- Wide variety of louvers
- One-leaved door with frame on four sides

Access-related control issues

- Electrically-activated lock mechanisms
- Electric handle mechanisms
- Magnetic blocking mechanisms

Performance enhancing

- Sealing
- Cylinders
- Door closers
- Special handles



PROGET
multipurpose



Customized finishing

- Select finishing from a wide variety of RAL colours
- NDD – Ninz Digital Decor, graphic images applied with special ink jets and protected by a transparent topcoat. Infinite varieties of customizable decorations in harmony with specific door settings
- Stainless steel handles
- Colored handles

Packaging for maximum protection

Sturdy wooden crates protect all doors and related accessories

- For NDD decorated doors
- On construction sites
- During shipping abroad
- For special transport

NOTE

Details about optional accessories may be found in the present brochure in chapters:

- Painting and NDD decorations
- Accessories for metal doors
- Emergency handles and panic bars

MULTIPURPOSE WINDOW WITH METAL WINDOW FRAME

Upon request one- and two-leaved doors may be equipped with round or rectangular windows, with different types of glass and respective window frames fixed with screws. The window frame carters are included for round window and available as an optional accessory for the rectangular one.

Production limits

Window sizes are standard and the minimum border strips around the window may not be reduced.

Borders, window position

"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

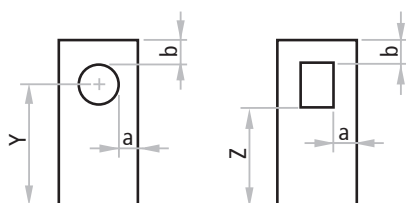
Elevation for round windows

window dimensions	FM H	position
Ø 300	minimum 1950	Y=1600
Ø 300	less than 1950	Y=FM H - 350
Ø 400	minimum 2150	Y=1600
Ø 400	from 1950 to 2149	Y=1550
Ø 400	less than 1950	Y=FM H - 400

Elevation for rectangular windows

window dimensions L x H	FM H	position
250/300/400 x 400	minimum 2150	Z=1450
250/300/400 x 400	from 1950 to 2149	Z=1350
250/300/400 x 400	less than 950	Z=FM H - 600
400 x 600	minimum 2150	Z=1250
400 x 600	from 1950 to 2149	Z=1150
400 x 600	less than 1950	Z=FM H - 800
400 x 1200	minimum 2150	Z=650
400 x 1200	from 1950 to 2149	Z=550
400 x 1200	less than 1950	Z=FM H - 1400
min. 250 x 250		Z=as indicated by costumer

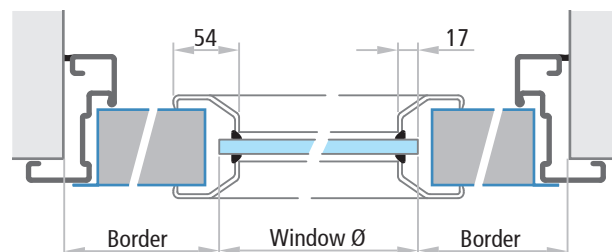
Borders, window position



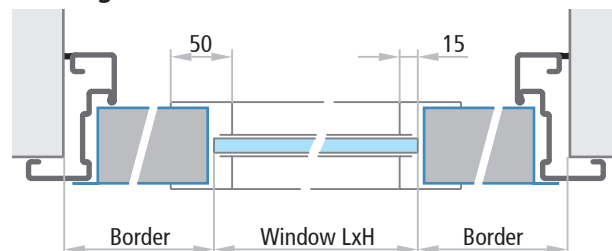
NOTE

For the rectangular windows the frame carters are an optional accessory

Round window cross section



Rectangular window cross section



Specific optional accessories - Windows

PROGET multipurpose doors



Window dimensions

		a	b	L1	L2
	Ø 300	200	200	700	800
	Ø 400				
	Ø 300	200	200	L1 700 + L2 350	
	Ø 400			L1 800 + L2 350	
	Ø 300	200	200	L1 700 + L2 700	
	Ø 400			L1 800 + L2 800	

Glasses available

shapes

laminated, 2B2 rated	3 + 3 mm	rectangular, circular
laminated, 2B2 rated	4 + 4 mm	rectangular
low emission double glass window with 2 laminated glazings 2B2 rated	3+3 / 12 / 3+3 mm	rectangular

NOTE

Position and measurements indicated above are those standard.

Different positions may be considered as long as they respect the minimum "a" and "b" border strips. The window itself may not be supplied separately except for replacements. It is always advisable for doors with windows to be equipped with door closers for controlled closing.

Window dimensions

		min. border		dimensions FM L min.	
		a	b	L1	L2
	250 x 400	200	200	650	
	300 x 400	200	200	700	
	400 x 400	200	200	800	
	400 x 600	200	200	800	
	400 x 1200	200	200	800	
Windows made to order min.250x250		200	200	650	
	250 x 400	200	200	L1 650 + L2 350	
	300 x 400	200	200	L1 700 + L2 350	
	400 x 400	200	200	L1 800 + L2 350	
	400 x 600	200	200	L1 800 + L2 350	
	400 x 1200	200	200	L1 800 + L2 350	
Windows made to order min.250x250		200	200	L1 650 + L2 350	
	250 x 400	200	200	L1 650 + L2 650	
	300 x 400	200	200	L1 700 + L2 700	
	400 x 400	200	200	L1 800 + L2 800	
	400 x 600	200	200	L1 800 + L2 800	
	400 x 1200	200	200	L1 800 + L2 800	
Windows made to order min.250x250		200	200	L1 650 + L2 650	

MULTIPURPOSE WINDOW WITH RUBBER WINDOW FRAME

On request, one- and two-leaved doors may be equipped with round or rectangular windows, with laminated 3+3mm glass, 2B2 rated, framed with a black rubber EPDM profile.

The corners of rectangular windows are rounded (radius of approx. 100mm).

Production limits

Window sizes are standard and the minimum border strips around the window may not be reduced.

Borders, window position

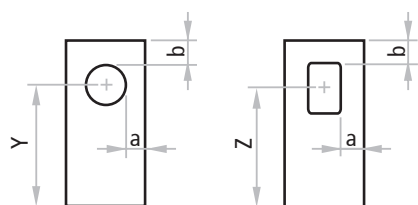
"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

Elevation for round windows

window dimensions	FM H	position
Ø 300	minimum 1950	Y=1600
Ø 300	less than 1950	Y=FM H - 350
Ø 400	minimum 2000	Y=1600
Ø 400	less than 2000	Y=FM H - 400

Elevation of rectangular windows

window dimensions L x H	FM H	position
300 x 500	minimum 1950	Z=1500
300 x 500	less than 1950	Z=FM H - 450
400 x 700	minimum 2050	Z=1500
400 x 700	less than 2050	Z=FM H - 550

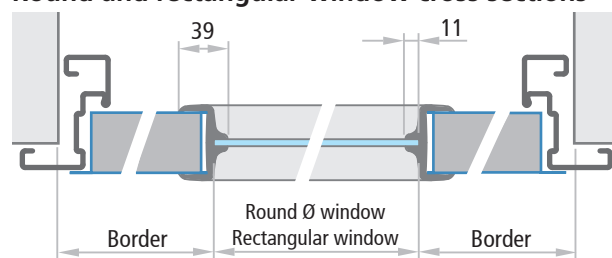


NOTE

The positions indicated above are those standard. Different positions may be considered as long as they respect the minimum "a" and "b" border strips. The window itself may not be supplied separately except for replacements. It is always advisable for doors with windows to be equipped with door closers for controlled closing.



Round and rectangular window cross sections

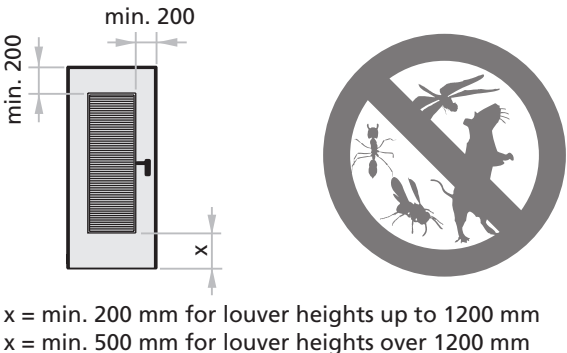


Window dimensions minimum border FM L min. dimensions

		minimum border		FM L min. dimensions
		a	b	
	Ø 300	200	200	700
	Ø 400	200	200	800
	Ø 300	200	200	L1 700 + L2 350
	Ø 400	200	200	L1 800 + L2 350
	Ø 300	200	200	L1 700 + L2 700
	Ø 400	200	200	L1 800 + L2 800
	300 x 500	200	200	700
	400 x 700	200	200	800
	300 x 500	200	200	L1 700 + L2 350
	400 x 700	200	200	L1 800 + L2 350
	300 x 500	200	200	L1 700 + L2 700
	400 x 700	200	200	L1 800 + L2 800

VENTILATING LOUVERS WITH METAL FRAMES

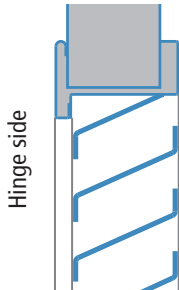
To permit continuous air movement through the door, different types of ventilating louvers are available upon request in standard or non-standard formats. The screw-on metal frames for the ventilating louvers are painted the same color as the leaf using thermoset epoxy-polyester powders. On request air flow estimates calculated by a special program can be supplied for the dimensions of the ventilating louvers.
The vertical position of the louvers needs to be indicated on the order.



Louver with steel grate plates

Louver with steel grate plates only. Standard production employs angled steel grate plates that slope downwards in the same direction as the door pull.

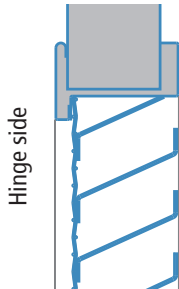
Dimensions L x H	estimated air flow
300 x 400	500 cm ²
400 x 600	1200 cm ²
400 x 1200	2600 cm ²
to order	on request



Louver with steel grate plates and anti-insect mesh

Louver with steel grate plates overlaid with a metal anti-insect mesh (6,3x6,3x0,55mm sheet). Standard production employs angled steel grate plates that slope downwards in the same direction as the door pull.

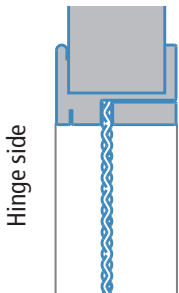
Dimensions L x H	estimated air flow
300 x 400	300 cm ²
400 x 600	800 cm ²
400 x 1200	1800 cm ²
to order	on request



Anti-rodent mesh

Metal frame with metal anti-rodent mesh only (16x16x3mm sheet).

Dimensions L x H	estimated air flow
300 x 400	700 cm ²
400 x 600	1600 cm ²
400 x 1200	3300 cm ²
to order	on request



Specific optional accessories

PROGET multipurpose doors

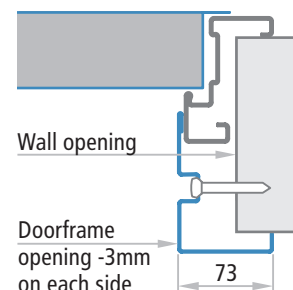
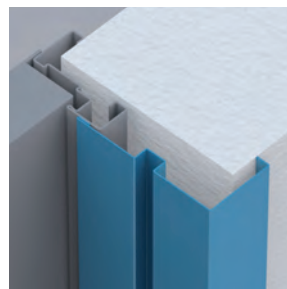
NINZ
FIREDOORS

PROGET
multipurpose

FRAME EXTENSIONS FOR PROGET DOORS

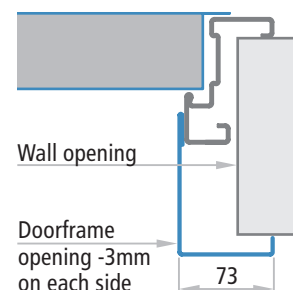
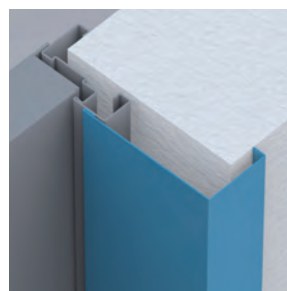
IM 1

Frame extension to be mounted in addition to the Proget acting as a wall cladding. Made of "Sendzimir" processed hot-galvanized sheet metal and painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 45 degree joint, fixing with screws and plugs in groove (screws and plugs not included).



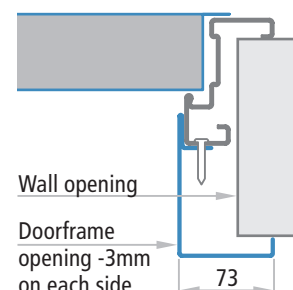
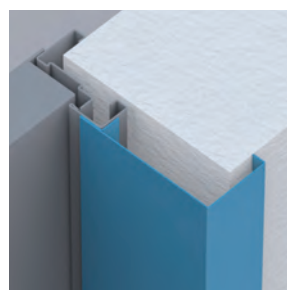
IM 3

Frame extension to be mounted in addition to the Proget acting as a wall cladding. Made of "Sendzimir" processed hot-galvanized sheet metal and painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 45 degree joint, fixing with screws and plugs (screws and plugs not included).



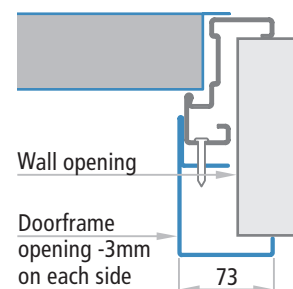
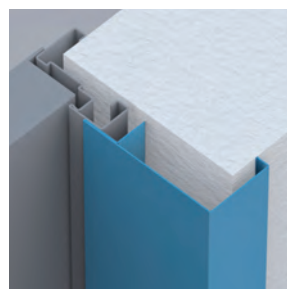
IM 4

Frame extension to be screwed to the Proget doorframe acting as a wall cladding. Made of "Sendzimir" processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint. Complete with fastener screws. To mount the frame extension, pre-drilled holes are available on the frame. Combine with sealing to conceal the screw heads.



IM 5

Telescopic frame extension to be screwed to the Proget doorframe acting as a wall cladding for expansion screw fixing. Consists of two overlapping profiles with a 25mm adjustable range. Made of "Sendzimir" processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint. Complete with fastener screws. To mount the frame extension, pre-drilled holes are available on the frame. Combine with sealing to conceal the screw heads.



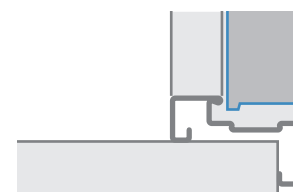
FRAME ON FOUR SIDES

Upon request one-leaved Proget doors may be supplied with frames on four sides and leaves with or without lower rebate. These type of doors are used mainly for technical rooms or shafts.

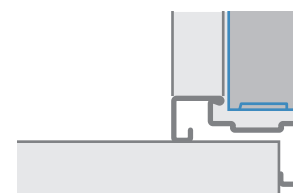
The frame on four sides is not available for the following applications: doors installed onto escape routes, two-leaved doors, external doors **CE** marked, application with embracing frame or block frame for in the reveal application, in combination with frame extensions.

ATTENTION

With the frame on four sides, the center of the handle will be 15 mm higher than the standard position. For more details, see the page "Door cross section - Measurements".



Leaf with lower rebate



Leaf without lower rebate

Specific optional accessories

PROGET multipurpose doors

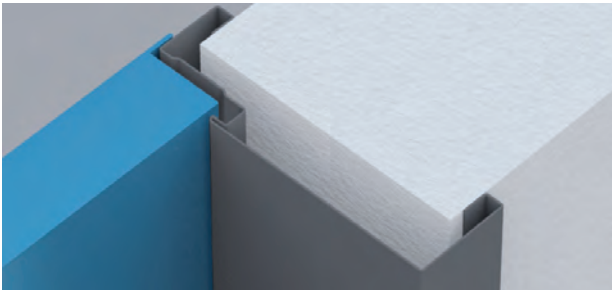
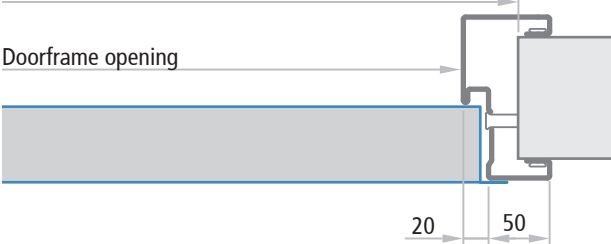


PROGET
multipurpose

SPECIAL FRAMES FOR PROGET MULTIPURPOSE DOORS

Embracing three sided frame for Proget multipurpose doors with 45 degree corner joints, made of 1,5mm thick "Sendzimir" processed galvanized steel sheets. To be screwed to finished walls, including joints for assembly, hole-covering caps, sealing and RAL painting with thermoset epoxy-polyester powder paints. Pre-drilled screw holes present on the doorframe. Installation screws not included.

Order measurements = FM

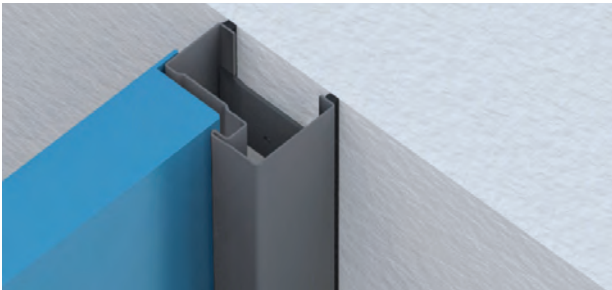


Minimum wall thickness for multipurpose doors = 70 mm

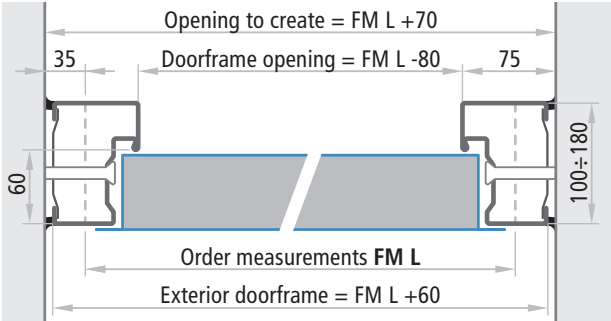
Order measurements	required wall opening	doorframe opening
FM L (width)	FM L	FM L - 80 mm
FM H (height)	FM H	FM H - 40 mm

BLOCK FRAME FOR IN THE REVEAL (TUNNEL) APPLICATIONS

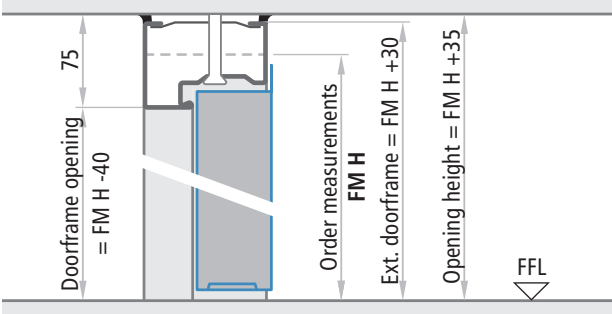
Three sided block frame application of Proget multipurpose doors, made of 1,5mm thick "Sendzimir" processed galvanized steel sheets. To be screwed to finished walls and equipped with integrated attachment shackles. Includes assembly joints, hole-covering caps, sealing and RAL painting with thermoset epoxy-polyester powder paints. Pre-drilled screw holes present on the doorframe. Installation screws not included.



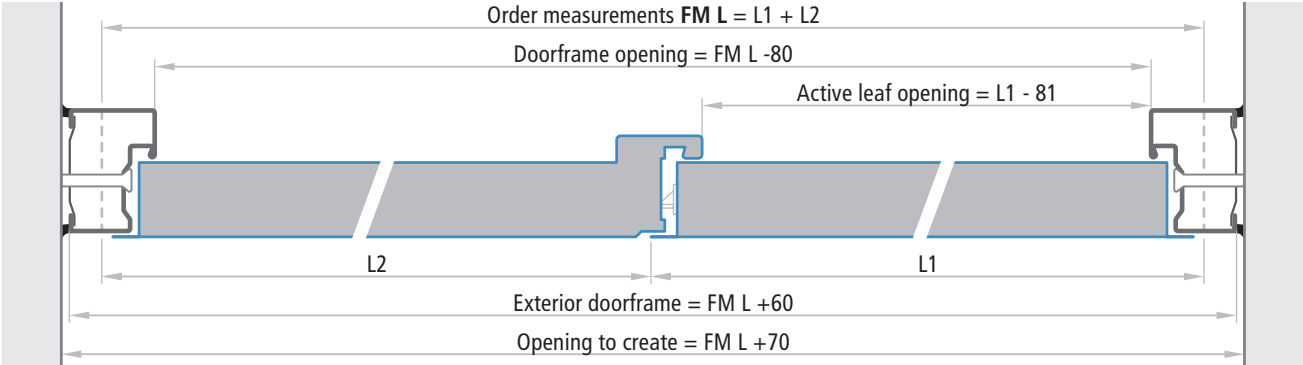
One-leaved doors - Horizontal cross section



Doors without lower threshold - Vertical cross section



Two-leaved doors - Horizontal cross section



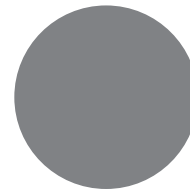
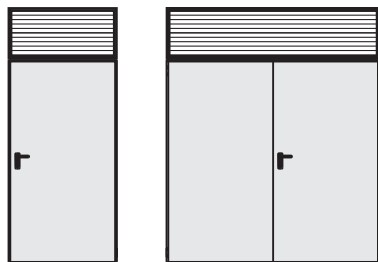
Specific optional accessories

PROGET multipurpose doors

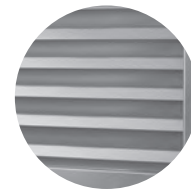
NINZ
FIREDOORS

PROGET OVERHEAD FRAME PANEL

Available for the installation with Proget one- and two leaved doors in following versions: blank filled with metal sheet from both sides (without insulation), with ventilation steel louver or with glazing bead (glass not supplied); all painted in the same color as doorframe with epoxy-polyester thermoset powders. Profiled on four sides with the standard angular- for in the reveal application- embracing-frame profiles, corners with 45 degree joint. In case of standard doorframe is supplied with an "C" shaped profile to be fixed upon the top frame of the door and shall be drilled on site for the fastening upon door and wall. In case of embracing or block frames, pre-drilled holes are available (screws and anchors not supplied).



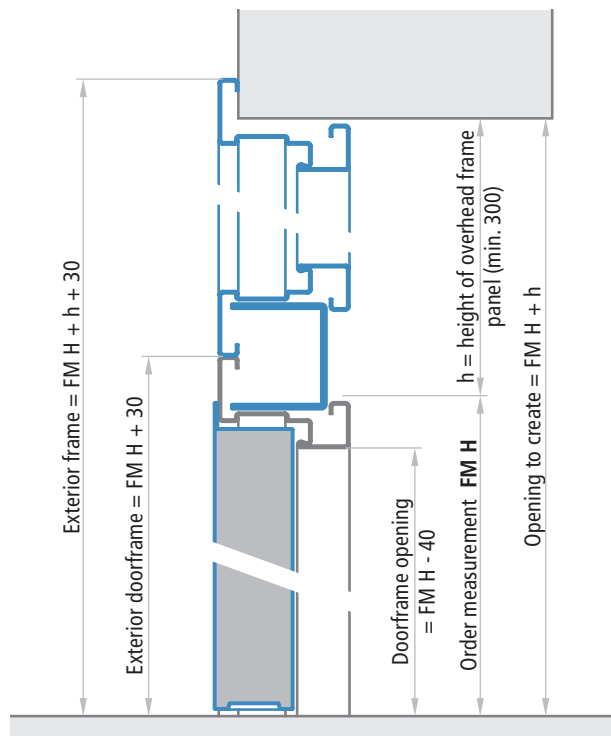
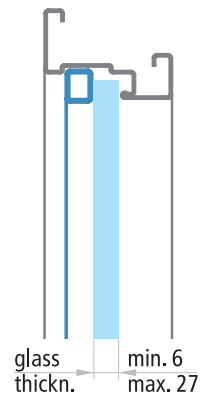
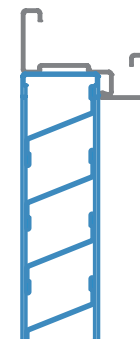
blank filled with
metal sheet



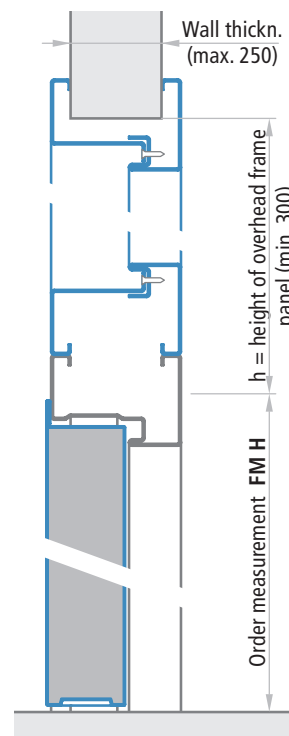
with ventilation
steel louver



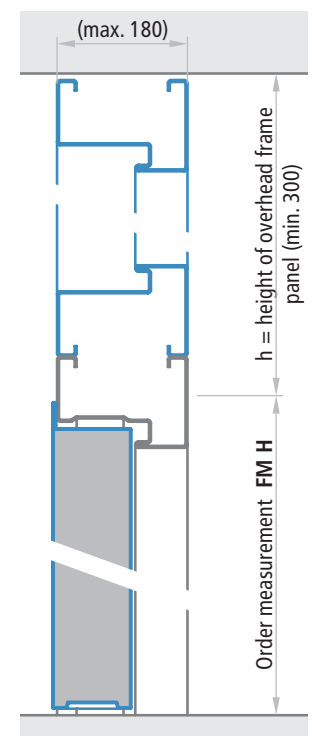
with glazing bead
(glass not supplied)



vertical cross section of the door with overhead panel and standard angular doorframe)



with embracing doorframe



with block frame

NOTE

In case of overhead frame panel with glazing bead, the thickness of glass (not supplied) min. 6 mm and max. 22 mm must be specified.

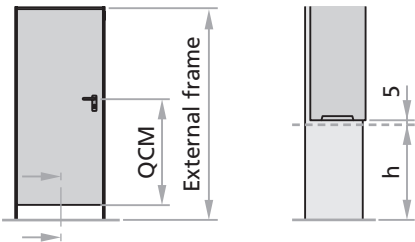
Standard frame calculus of window dimension: FM L - 45 mm x h - 105 mm

Embracing frame calculus of window dimension: FM L - 45 mm x h - 105 mm

Block frame calculus of window dimension: FM L - 45 mm x h - 140 mm

DOOR WITH EXTENDED FRAME

For one-leaved Proget doors only. Frame extends beyond the door leaf to create a gap below the door with height (h) varying of between 50 to 200 mm. Using the standard Proget door leaf and an extended the frame, the desired handle height (QCM) must be specified when ordered. In the absence of such indication, the QCM will be 1050mm.



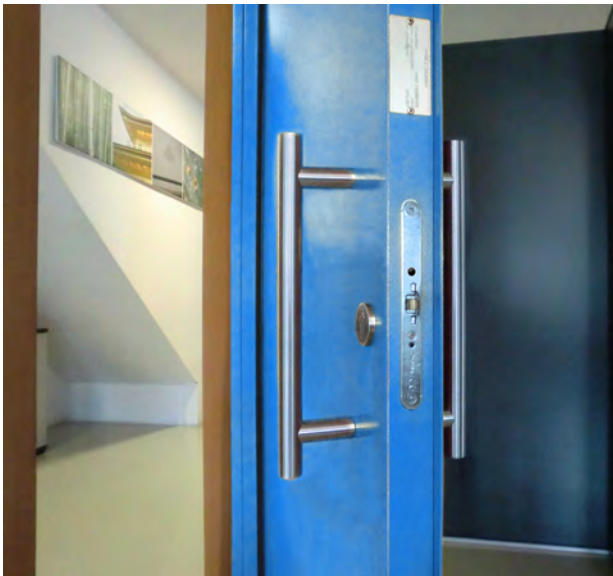
Standard handle height	external frame	opening to create
1050	$FM H + h + 30$	$FM H + h$

NOTE
Not available for multipurpose doors Proget with C€ marking.

MORTICE LOCK WITH ROLLER LATCH AND G1X
DOUBLE FIX GRAB DOOR HANDLE IN STAINLESS STEEL

For multipurpose one- or two-leaved Proget doors. Designed to permit free pedestrian passage, by simply pushing or pulling the door by the fix grab. Usually the lock is not locked by key, thus the opening is possible by simple pulling or pushing, disengaging the roller latch. It is possible to regulate the engagement force of the roller latch, by turning the regulation screw visible on the cover plate of the lock. By locking the lock by key, the dead bolt blocks the opening of the door from both sides.
Included (factory mounted to the door): mortice lock with roller latch and central dead bolt activated by the cylinder; included (supplied on the side): item G1X which comprises a pair of brushed fix grab door handles in stainless steel (diameter 30mm, length 400mm, projection 90mm), a fixing kit for the handles to the door and a pair of escutcheons in brushed stainless steel with cylinder hole for euro profile cylinder (cylinder excluded, to be ordered separately).

NOTE
Not available for multipurpose doors Proget with C€ marking.



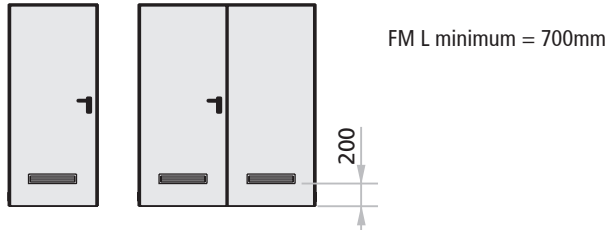
Mortice lock with roller latch and G1X: pair of brushed fix grab door handles in stainless steel, installed on multipurpose Proget door

Specific optional accessories

PROGET multipurpose doors

VENTILATION LOUVER

Ventilation louver made of either black or white PVC, 482x99mm (air passage approx. 150cm²). The opening direction of the door needs to be specified.



Dimensions

482 x 99

Estimated air flow

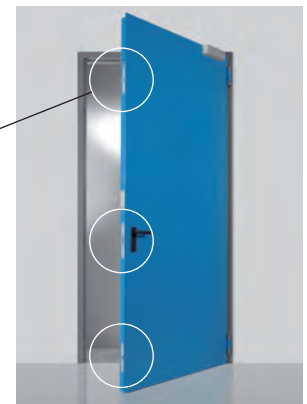
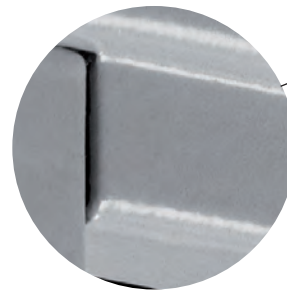
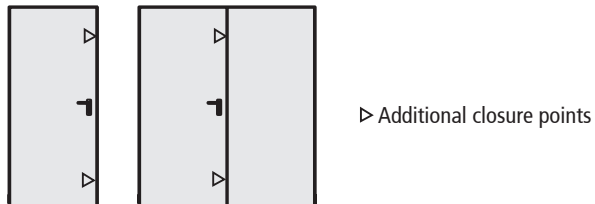
150 cm²

NOTE

Not available for multipurpose doors Proget with **CE** marking.

THREE-POINT LOCKING MECHANISM

Upon request for a more reliable closure, one- and two-leaved Proget multipurpose doors may be delivered with a three-point lateral lock. In combination with double M1 handle and cylinder. The lock is also available for anti-panic and emergency push versions. Thus the three-point locking mechanism can be combined with emergency handles or with EXUS, TWIST, SLASH type BM panic bars in conformity with **CE** marking.



NOTE

Three point locking mechanism can be combined with M1, M1C, M1X, M1Xs, M11, M11X and M11Xs handles only.

CR REBATE SEALING

CR sealing in black extruded profile to cut and to be pressed into the dedicated groove in the perimetral frame and on the central joint of two-leaved doors.



Specific optional accessories

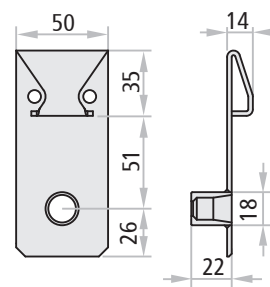
PROGET multipurpose doors

NINZ[®]
FIREDOORS

STEEL FLOOR CATCH

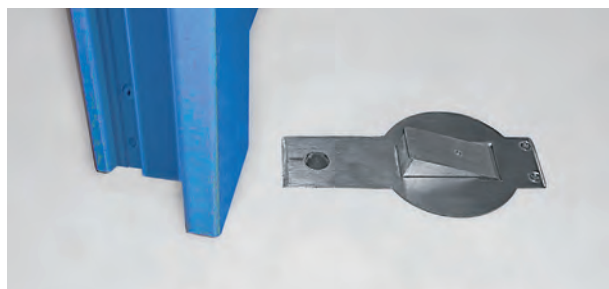
Floor-mounted steel floor catch for two-leaved Proget doors. Made of pierced and successively galvanized steel. Includes rebate stop for the inactive leaf, the strike box for insertion of the rod, Nr. 3 screws and Nr. 3 plugs.

To be used in place of the plastic floor catch for doors that usually remain open and where carts and heavy equipment pass on a regular basis.



RETREATING FLOOR CATCH „N626“

To be applied in combination with two-leaved PROGET doors, which are usually to be kept open, in substitution of the standard floor catch. The N626's advantage is the embedding of the floor catch into the floor which is activated only by the closing of the inactive leaf. Thus when the doors are open protrusions are avoided guaranteeing nevertheless a correct closing.



NOTE

For the passing of the cable of the command function the installation into the floor of a wrinkled cable sleeve is necessary. The installation of the N626 requires trained personnel.

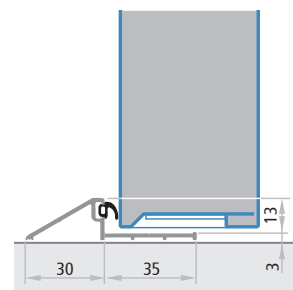
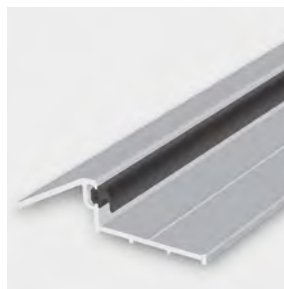
THRESHOLD

Fixed threshold in anodized aluminium supplied with relative rebate sealing. To be installed for single and double leaved doors onto the floor with screws and plugs (not supplied).

NOTE

This device is delivered only when the door has been ordered with **CE** conformity for external use.

For the installation it is necessary to adapt the threshold to the frame of the door and to drill a hole for its fixing. Further it is necessary to finish up the threshold with silicone.



PROGET
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Additional performances

PROGET multipurpose doors - concerned norm EN 14351-1:2006+A2:2016

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EXTERNAL PEDESTRIAN DOORS

Certificate CE 1404 - CPR - 3738

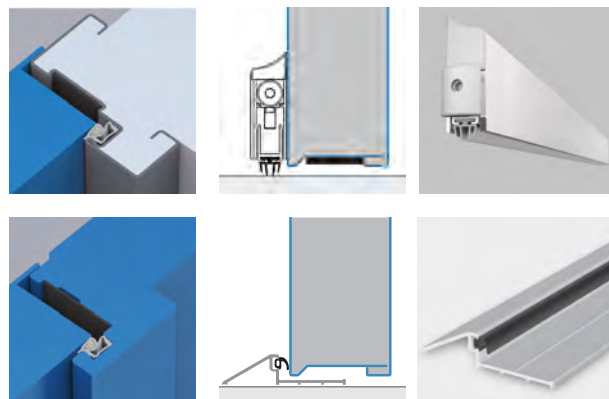
EN 14351-1:2006+A2:2016 ed EN 16034:2014



The norms EN 14351-1 ed EN 16034 define as an external door, a door which separates the internal from the external climate of a construction. For this use the doors need to be **CE** marked according to the norms EN 14351-1:2006+A2:2016 and EN 16034:2014 and if the door is installed within an emergency exit route, which means that a panic handle or bar is installed onto it, then the door also requires a conformity declaration of type 1 and further a **CE** Certificate issued by a notified body, which for NINZ S.p.A is the declaration 1404 - CPR - 3738

For Proget doors for external use order the relative Com-bos listed in the Proget multipurpose price list. Refer to the essential requirements listed in the table on the next page to select the correct version in conformity with the valid national standards.

In this way every door will be delivered with the **CE** marking and relative documentation conform to the valid standard.



ATTENTION

For the dimensional limits, minimum border measurements or production possibilities please refer to the specific pages of this brochure.

The values for the thermal transmittance W/m^2K shown in the table on the next page are given by the calculation according to the norm EN ISO 10077-1 done on samples of the dimensions 1,23x2,18 for areas $\leq 3,6m^2$ and on samples of the dimensions 2,00x2,18 for areas $> 3,6m^2$.

All performance values indicated in the table are valid only in presence of the following accessories or enhancements:

- standard angular- for in the reveal application- embracing-frame
- isolation of the door frame with the filling of polyurethane foam
- installation of rubber seals along the entire perimeter of the door frame including the central rebate for double leaved doors
- sealing of the perimeter of the frame (side to push) with neutral silicone
- presence of the automatic door sweep or the fixed lower threshold depending upon selected solution
- for doors with windows: dimensions of 300x400mm for "3+3 / 12 / 3+3" low emission double glass windows, composed of two 3+3 laminated glazings, 2B2 rated.

In case of windows up to a maximum size of max 400x600mm the differing performance value for the thermal transmittance needs to be asked, all other performance values remain unchanged.

For the acoustic isolation performance values, in case of asymmetric double leaved doors ($L1 \neq L2$), select the minor R_w value of the two.

example 1: leaf without windows and $H=2150$, $L1=1000$, $L2=500$ select 30 dB;

example 2: leaf without windows and $H=2150$, $L1=1200$, $L2=1000$ select 32 dB.

NOTE

For more details regarding the external installation, refer to the "Notices" section at the end of this brochure.



Certificate
of constancy of performance

1404 – CPR – 3738



ZAVOD ZA
GRADBENIŠTVO
SLOVENIJE
SLOVENIAN
NATIONAL BUILDING
AND CIVIL ENGINEERING
INSTITUTE
Dimrova ulica 12
1000 Ljubljana
Slovenija
info@zag.si
www.zag.si
Notified certification body
NB 1404

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product

Single and double leaf door PROGET MULTI
(doors that fall within the scope of standard EN 14351-1:2006+A2:2016)

placed on the market under the name or trade mark of

NINZ S.p.A.,
Corso Trento 2, 38061 Ala (TN), Italy

and produced in the manufacturing plants

NINZ S.p.A.,
Corso Trento 2, 38061 Ala (TN), Italy

and
NINZ S.p.A.,
Via Negrelli 17, 39100 Bolzano, Italy.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 16034:2014 and EN 14351-1:2006+A2:2016

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 4. 6. 2024 and will remain valid until 4. 6. 2029 as long as neither the harmonised standards, the construction products, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Detailed information about the scope of the product is given in the annex to this certificate.

Ljubljana, 4. 6. 2024

Authorised signatory of the Certification body:
mag. Egon Mlost, univ.dipl.inž.grad.

Egon Mlost

ZAG-021-3106-2021

This certificate has a total of 2 pages

Certificate No. 1404 – CPR – 3738, Issue 1

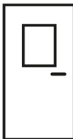


Additional performances

PROGET multipurpose doors - concerned norm EN 14351-1:2006+A2:2016

NINZ[®]
FIRE DOORS

PROGET
multipurpose

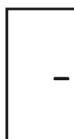
PROGET multipurpose door			Angular frame	Embracing frame	Tunnel frame	Combo with CR rebate gasket and door closer for C5 version		Combo with CR rebate gasket, drop-down seal and door closer for C5 version	
						CE	CE C5	CE Sa/SF	CE Sa/SF C5
Without window 	EN 16034:2014								
	Fire resistance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Smoke control	✓	✓	✓	N.P.D.	N.P.D.	Sa	Sa	
	Self-closing	✓	✓	✓	C	C	C	C	
	Durability of self-closing								
	- against degradation	✓	✓	✓	0	5	0	5	
	EN 14351-1:2006+A2:2016								
	Air permeability	✓	✓	✓	N.P.D.	N.P.D.	2	2	
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.	1A	1A	
	Wind load resistance								
	- door with FM ≤ 1140x2150	✓	✓	✓	N.P.D.	N.P.D.	C1	C1	
	- door with FM > 1140x2150	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds	Exceeds	Exceeds	
	Acoustic performance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Thermal transmittance	✓			1,30 W/m²K	1,30 W/m²K	1,30 W/m²K	1,30 W/m²K	
	Thermal transmittance		✓		1,70 W/m²K	1,70 W/m²K	1,70 W/m²K	1,70 W/m²K	
	Thermal transmittance			✓	1,70 W/m²K	1,70 W/m²K	1,70 W/m²K	1,70 W/m²K	
With window 300x400 	EN 16034:2014								
	Fire resistance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Smoke control	✓	✓	✓	N.P.D.	N.P.D.	Sa	Sa	
	Self-closing	✓	✓	✓	C	C	C	C	
	Durability of self-closing								
	- against degradation	✓	✓	✓	0	5	0	5	
	EN 14351-1:2006+A2:2016								
	Air permeability	✓	✓	✓	N.P.D.	N.P.D.	2	2	
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.	1A	1A	
	Wind load resistance								
	- door with FM ≤ 1140x2150	✓	✓	✓	N.P.D.	N.P.D.	C1	C1	
	- door with FM > 1140x2150	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds	Exceeds	Exceeds	
	Acoustic performance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.	
	Thermal transmittance	✓			1,40 W/m²K	1,40 W/m²K	1,50 W/m²K	1,50 W/m²K	
	Thermal transmittance		✓		1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	
	Thermal transmittance			✓	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	

Additional performances

PROGET multipurpose doors - concerned norm EN 14351-1:2006+A2:2016

NINZ
FIREDOORS

PROGET
multipurpose

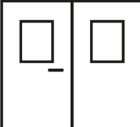
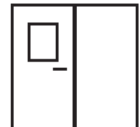
PROGET multipurpose door		Angular frame	Embracing frame.	Tunnel frame	Combo with CR rebate gasket, drop-down seal and door closer for C5 version	
Certificate CE: 1404 - CPR -3738					CE S200/GS CE S200/GSV	CE S200/GS C5 CE S200/GSV C5
Without window 	EN 16034:2014					
	Fire resistance	✓	✓	✓	N.P.D.	N.P.D.
	Smoke control	✓	✓	✓	S200	S200
	Self-closing	✓	✓	✓	C	C
	Durability of self-closing					
	- against degradation	✓	✓	✓	0	5
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	✓	✓	2	2
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.
	Wind load resistance	✓	✓	✓	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds
	Acoustic performance					
	- door with FM 800-1100 x 2000-2250	✓	✓	✓	33 dB	33 dB
	- door with FM 1101-1340 x 2000-2250	✓	✓	✓	32 dB	32 dB
	- door with FM 800-1340 x 2251-2670	✓	✓	✓	32 dB	32 dB
	Thermal transmittance	✓			1,30 W/m²K	1,30 W/m²K
	Thermal transmittance		✓		1,70 W/m²K	1,70 W/m²K
	Thermal transmittance			✓	1,70 W/m²K	1,70 W/m²K
With window 300x400 	EN 16034:2014					
	Fire resistance	✓	✓	✓	N.P.D.	N.P.D.
	Smoke control	✓	✓	✓	S200	S200
	Self-closing	✓	✓	✓	C	C
	Durability of self-closing					
	- against degradation	✓	✓	✓	0	5
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	✓	✓	2	2
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.
	Wind load resistance	✓	✓	✓	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds
	Acoustic performance					
	- door with FM 800-1100 x 2000-2250	✓	✓	✓	32 dB	32 dB
	- door with FM 1101-1340 x 2000-2250	✓	✓	✓	31 dB	31 dB
	- door with FM 800-1340 x 2251-2670	✓	✓	✓	31 dB	31 dB
	Thermal transmittance	✓			1,50 W/m²K	1,50 W/m²K
	Thermal transmittance		✓		1,90 W/m²K	1,90 W/m²K
	Thermal transmittance			✓	1,90 W/m²K	1,90 W/m²K

Additional performances

PROGET multipurpose doors - concerned norm EN 14351-1:2006+A2:2016

NINZ[®]
FIRE DOORS

PROGET
multipurpose

PROGET multipurpose door		Angular frame	Embracing frame	Tunnel frame	Combo with CR rebate gasket and door closer for C5 version		Combo with CR rebate gasket, drop-down seal and door closer for C5 version	
Certificate CE: 1404 - CPR -3738 					CE	CE C5	CE Sa/SF	CE Sa/SF C5
With window 	EN 16034:2014							
	Smoke control	✓	✓	✓	N.P.D.	N.P.D.	Sa	Sa
	Self-closing	✓	✓	✓	C	C	C	C
	Durability of self-closing							
	- against degradation	✓	✓	✓	0	5	0	5
	EN 14351-1:2006+A2:2016							
	Air permeability	✓	✓	✓	N.P.D.	N.P.D.	3	3
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.	2A-4B	2A-4B
	Wind load resistance							
	- door with FM ≤ 2300x2150	✓	✓	✓	N.P.D.	N.P.D.	C1	C1
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance FM ≤ 3,6 m²	✓			1,70 W/m²K	1,70 W/m²K	1,70 W/m²K	1,70 W/m²K
	Thermal transmittance FM > 3,6 m²	✓			1,40 W/m²K	1,40 W/m²K	1,40 W/m²K	1,40 W/m²K
	Thermal transmittance FM ≤ 3,6 m²		✓		1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM > 3,6 m²		✓		1,50 W/m²K	1,50 W/m²K	1,50 W/m²K	1,50 W/m²K
	Thermal transmittance FM ≤ 3,6 m²			✓	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM > 3,6 m²			✓	1,50 W/m²K	1,50 W/m²K	1,50 W/m²K	1,50 W/m²K
Without window 300x400  	EN 16034:2014							
	Smoke control	✓	✓	✓	N.P.D.	N.P.D.	Sa	Sa
	Self-closing	✓	✓	✓	C	C	C	C
	Durability of self-closing							
	- against degradation	✓	✓	✓	0	5	0	5
	EN 14351-1:2006+A2:2016							
	Air permeability	✓	✓	✓	N.P.D.	N.P.D.	3	3
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.	2A-4B	2A-4B
	Wind load resistance							
	- door with FM ≤ 2300x2150	✓	✓	✓	N.P.D.	N.P.D.	C1	C1
	Load-bearing capacity of safety devices	✓	✓	✓	Exceeds	Exceeds	Exceeds	Exceeds
	Acoustic performance	✓	✓	✓	N.P.D.	N.P.D.	N.P.D.	N.P.D.
	Thermal transmittance FM ≤ 3,6 m²	✓			2,10 W/m²K	2,10 W/m²K	2,10 W/m²K	2,10 W/m²K
	Thermal transmittance FM > 3,6 m²	✓			1,90 W/m²K	1,90 W/m²K	1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM ≤ 3,6 m²		✓		2,30 W/m²K	2,30 W/m²K	2,30 W/m²K	2,30 W/m²K
	Thermal transmittance FM > 3,6 m²		✓		2,00 W/m²K	2,00 W/m²K	2,00 W/m²K	2,00 W/m²K
	Thermal transmittance FM ≤ 3,6 m²			✓	2,30 W/m²K	2,30 W/m²K	2,30 W/m²K	2,30 W/m²K
	Thermal transmittance FM > 3,6 m²			✓	2,00 W/m²K	2,00 W/m²K	2,00 W/m²K	2,00 W/m²K

Additional performances

PROGET multipurpose doors - concerned norm EN 14351-1:2006+A2:2016

NINZ
FIREDOORS

PROGET
multipurpose

PROGET multipurpose door		Angular frame	Embracing frame.	Tunnel frame	Combo with CR rebate gasket, drop-down seal and door closer for C5 version	
Certificate CE: 1404 - CPR -3738					CE S200/GS CE S200/GSV	CE S200/GS C5 CE S200/GSV C5
Without window -	EN 16034:2014					
	Smoke control	✓	✓	✓	S200	S200
	Self-closing	✓	✓	✓	C	C
	Durability of self-closing					
	- against degradation	✓	✓	✓	0	5
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	✓	✓	3	3
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.
	Wind load resistance	✓	✓	✓	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	✓	✓	N.P.D.	N.P.D.
	Acoustic performance					
	- FM min 1000 (L1/l2 max 799) x 2000 - 2670	✓	✓	✓	30 dB	30 dB
	- leaf of L1/L2 800-1100 x 2000-2250	✓	✓	✓	33 dB	33 dB
	- leaf of L1/L2 1101-1330 x 2000-2250	✓	✓	✓	32 dB	32 dB
	- leaf of L1/L2 800-1330 x 2251-2670	✓	✓	✓	32 dB	32 dB
	Thermal transmittance FM ≤ 3,6 m²	✓			1,70 W/m²K	1,70 W/m²K
	Thermal transmittance FM > 3,6 m²	✓			1,40 W/m²K	1,40 W/m²K
	Thermal transmittance FM ≤ 3,6 m²		✓		1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM > 3,6 m²		✓		1,50 W/m²K	1,50 W/m²K
	Thermal transmittance FM ≤ 3,6 m²			✓	1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM > 3,6 m²			✓	1,50 W/m²K	1,50 W/m²K
With window 300x400	EN 16034:2014					
	Smoke control	✓	✓	✓	S200	S200
	Self-closing	✓	✓	✓	C	C
	Durability of self-closing					
	- against degradation	✓	✓	✓	0	5
	EN 14351-1:2006+A2:2016					
	Air permeability	✓	✓	✓	3	3
	Water tightness	✓	✓	✓	N.P.D.	N.P.D.
	Wind load resistance	✓	✓	✓	N.P.D.	N.P.D.
	Load-bearing capacity of safety devices	✓	✓	✓	N.P.D.	N.P.D.
	Acoustic performance					
	- FM min 1000 (L1/l2 max 799) x 2000 - 2670	✓	✓	✓	29 dB	29 dB
	- leaf of L1/L2 800-1100 x 2000-2250	✓	✓	✓	32 dB	32 dB
	- leaf of L1/L2 1101-1330 x 2000-2250	✓	✓	✓	31 dB	31 dB
	- leaf of L1/L2 800-1330 x 2251-2670	✓	✓	✓	31 dB	31 dB
	Thermal transmittance FM ≤ 3,6 m²	✓			2,10 W/m²K	2,10 W/m²K
	Thermal transmittance FM > 3,6 m²	✓			1,90 W/m²K	1,90 W/m²K
	Thermal transmittance FM ≤ 3,6 m²		✓		2,30 W/m²K	2,30 W/m²K
	Thermal transmittance FM > 3,6 m²		✓		2,00 W/m²K	2,00 W/m²K
	Thermal transmittance FM ≤ 3,6 m²			✓	2,30 W/m²K	2,30 W/m²K
	Thermal transmittance FM > 3,6 m²			✓	2,00 W/m²K	2,00 W/m²K

Essential requirements*	EN 16034	EN 14351
Fire resistance	YES	NO
Smoke control	YES	NO
Self - closing	YES	NO
Durability of performance	YES	NO
Thermal insulation	NO	YES
Air permeability	NO	YES
Water tightness	NO	NO
Acoustic performance	NO	NO
Wind resistance	NO	NO
Load-bearing capacity of safety devices	NO	YES
Release/unlocking capability (mandatory for doors installed on escape routes)	NO	YES
Minimum clear passage height: 2000 mm	NO	YES

WARNING
For doors exposed to weather conditions and/or direct sunlight, the customer must take appropriate precautions to prevent long-term deterioration, in particular:

- Canopies or overhangs
- Outdoor paint with UV protection
- Use of light RAL colours to avoid overheating of metal sheets

* Required under binding national provisions

Additional performances

PROGET multipurpose doors

NINZ[®]
FIREDOORS

PROGET
multipurpose

INTERNAL PEDESTRIAN DOORS

Classification report No. IFT 16-000122-PR03

Test report No. IFT 12-001195-PR01



Pedestrian interior doors are not yet subject to CE marking as the relevant standard EN 14351-2 has not yet been harmonized. The performances listed in the standard can however be used as a reference for classifying the door for indoor uses, such as:

- air permeability according to EN 1026:2001
- thermal transmittance according to EN ISO 10077-1:2018 e EN ISO 10077-2:2018

PROGET multipurpose doors are also classified as Sa or S200 for smoke control according to EN 1634-3 (test method) and 13501-2 (classification).

The Proget price list lists the Combos which add these additional performances to the door.

ATTENTION

For the dimensional limits, minimum border measurements or production possibilities please refer to the specific pages of this brochure.

The values for the thermal transmittance W/m^2K shown in the table on the next page are given by the calculation according to the norm EN ISO 10077-1 done on samples of the dimensions 1,23x2,18 for areas $\leq 3,6m^2$ and on samples of the dimensions 2,00x2,18 for areas $> 3,6m^2$.

All performance values indicated in the table are valid only in presence of the following accessories or enhancements:

- standard angular- for in the reveal application- embracing-frame
- isolation of the door frame with the filling of polyurethane foam
- installation of rubber seals along the entire perimeter of the door frame including the central rebate for double leaved doors
- sealing of the perimeter of the frame (side to push) with neutral silicone
- closing regulator RC2 for two-leaved doors (instead of RC/STD)
- presence of the automatic door sweep depending upon selected solution

In case of windows up to a maximum size of 400x600mm the differing performance value for the thermal transmittance needs to be asked, all other performance values remain unchanged.

For the acoustic isolation performance values, in case of asymmetric double leaved doors ($L1 \neq L2$), select the minor R_w value of the two.

example 1: leaf without windows and $H=2150$, $L1=1000$, $L2=500$ select 30 dB;

example 2: leaf without windows and $H=2150$, $L1=1200$, $L2=1000$ select 32 dB.

NOTE

For more details regarding the external installation, refer to the "Notices" section at the end of this brochure.

SMOKE CONTROL ACCORDING TO EN 1634-3

This is the ability of a door set to reduce or eliminate the passage of smoke from one side of the door to the other. Two levels of smoke performance are defined.

Smoke control Sa: when the maximum dispersion value measured at room temperature and at a pressure of 25 Pascal is not greater than $3 m^3/h$ per metre through the gap between the door leaf and the door frame excluding eventual losses through the floor threshold.

Smoke control S200: when the maximum dispersion value, measured at room temperature and 200 C and up to a pressure of 50 Pascal, is not greater than $20 m^3/h$ for a single door or $30 m^3/h$ for a two-door door.

The smoke tightness is verified with a specific technical test in accordance with UNI EN 1634-3, while the classification is provided by UNI EN 13501-2 according to the following criteria:

Sa considers only the seal at room temperature

S200 considers the seal at room temperature and at 200 C

Evidence of Performance
Smoke leakage and self-closing of construction products and building elements

Classification Report
No.: 16-000122-PR03
(KB-C65-01-en-03)

Client:
NINZ s.p.a.
Corso Trento 2/A
38061 ALA
(Italy)

Prepared by the notified body:
ift Rosenheim GmbH
Theodor-Giell-Straße 7-9
D-83026 Rosenheim

Notified body No.: 0757

Product name:
PROGET MULTI REI / EI - 60/90/120
(nach den Angaben des Auftraggebers)

Classification:
Classification of smoke control and self-closing according to EN 13501-2:2007+A1:2009 / EN 13501-2:2016

Issue No.: 1

Smoke control doors and shutters

Classification
 S_a / S_{200}
C5

ift Rosenheim
07.05.2018

Dr. Gerhard Wackerbauer, Dipl. Phys.
Head of Testing Department
Smoke Control & Mechanical durability

Christine Schmaus, Dipl.-Ing. (FH)
Operating Product Officer
Building Components

Notes on publication:
The IFT Guidance Sheet "Conditions and Guidance for the Use of IFT Test Documents" applies.

Contents:
The classification report consists of 13 pages and may only be used or reproduced in its entirety.

1 Introduction
2 Details of classified product
3 Test reports/extended application reports and test results in support of the classification
4 Classification and field of application
5 Limitations

ift Rosenheim GmbH
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Prüfung und Kalibrierung – EN ISO/IEC 17025
Instandhaltung – EN ISO/IEC 17025
Zertifizierung Produkte – EN ISO/IEC 17065
Zertifizierung Managementsysteme – EN ISO/IEC 17021

Notified Body 0757
EN 13501-2:2007+A1:2009
EN 13501-2:2016
EN 1634-3:2004
EN 1634-3:2004/AC:2005
EN 1191:2012
EN 10334:2014

DAkkS
Zertifizierte Stelle
0757

INTERNAL PEDESTRIAN DOORS

Classification report No. IFT 16-000122-PR03

Test report No. IFT 12-001195-PR01



FM L x H		standard frame block frame in the reveal applic. embracing frame	Combo Thermo/GS - Combo Thermo/GSV Combo dB/GS - Combo dB/GSV with rebate sealing CR and automatic door sweep Combo S200/GS - Combo S200/GSV with rebate sealing CR and painted automatic door sweep				Combo Thermo Combo Sa with rebate sealing CR	
			smoke control according to UNI EN 1634-3	air permeability according to UNI EN 1026:2001	thermal transmittance according to UNI EN 10077-1:2018 UNI EN 10077-2:2018	acoustic performance according to UNI EN ISO 140-3	smoke control according to UNI EN 1634-3	air permeability according to UNI EN 1026:2001 thermal transmittance according to UNI EN 10077-1:2018 UNI EN 10077-2:2018
	without window	≤ 3,6 m ²	✓		S200 classe 2	1,3 W/m ² K	Sa	1,3 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 2	1,7 W/m ² K	Sa	1,7 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 2	1,7 W/m ² K	Sa	1,7 W/m ² K
		800 - 1100 x 2000 - 2250	✓	✓		Rw = 33 dB		
		1101 - 1340 x 2000 - 2250	✓	✓		Rw = 32 dB		
		800 - 1340 x 2251 - 2670	✓	✓		Rw = 32 dB		
	with window 300x400	≤ 3,6 m ²	✓		S200 classe 2	1,5 W/m ² K	Sa	1,4 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 2	1,9 W/m ² K	Sa	1,9 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 2	1,9 W/m ² K	Sa	1,9 W/m ² K
		800 - 1100 x 2000 - 2250	✓	✓		Rw = 32 dB		
		1101 - 1340 x 2000 - 2250	✓	✓		Rw = 31 dB		
		800 - 1340 x 2251 - 2670	✓	✓		Rw = 31 dB		
	without windows	≤ 3,6 m ²	✓		S200 classe 3	1,7 W/m ² K	Sa	
		> 3,6 m ²	✓		S200 classe 3	1,4 W/m ² K	Sa	1,4 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 3	1,9 W/m ² K	Sa	1,9 W/m ² K
		> 3,6 m ²	✓		S200 classe 3	1,5 W/m ² K	Sa	1,5 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 3	1,9 W/m ² K	Sa	1,9 W/m ² K
		> 3,6 m ²	✓		S200 classe 3	1,5 W/m ² K	Sa	1,5 W/m ² K
		FM min 1000 (L1/L2 max 799) x 2000 - 2670	✓	✓		Rw = 30 dB		
		(L1 or L2) 800 - 1100 x 2000 - 2250	✓	✓		Rw = 33 dB		
		(L1 or L2) 1101 - 1330 x 2000 - 2250	✓	✓		Rw = 32 dB		
		(L1 or L2) 800 - 1330 x 2251 - 2670	✓	✓		Rw = 32 dB		
	with windows 300x400	≤ 3,6 m ²	✓		S200 classe 3	2,1 W/m ² K	Sa	2,1 W/m ² K
		> 3,6 m ²	✓		S200 classe 3	1,9 W/m ² K	Sa	1,9 W/m ² K
	with windows 300x400	≤ 3,6 m ²	✓		S200 classe 3	2,3 W/m ² K	Sa	2,3 W/m ² K
		> 3,6 m ²	✓		S200 classe 3	2,0 W/m ² K	Sa	2,0 W/m ² K
		≤ 3,6 m ²	✓		S200 classe 3	2,3 W/m ² K	Sa	2,3 W/m ² K
		> 3,6 m ²	✓		S200 classe 3	2,0 W/m ² K	Sa	2,0 W/m ² K
		FM min 1000 (L1/L2 max 799) x 2000 - 2670	✓	✓		Rw = 29 dB		
		(L1 or L2) 800 - 1100 x 2000 - 2250	✓	✓		Rw = 32 dB		
		(L1 or L2) 1101 - 1330 x 2000 - 2250	✓	✓		Rw = 31 dB		
		(L1 or L2) 800 - 1330 x 2251 - 2670	✓	✓		Rw = 31 dB		

ATTENTION: air permeability and thermal transmittance performances are the same for Combo Thermo GS and GSV, Combo S200/GS, Combo S200/GSV, Combo dB/GS, Combo dB/GSV

NOTE

These additional performances are not available for multipurpose doors type PROGET with: OVERHEAD PANEL, all types of areation louvers, roller lock with G1X handle

Door cross sections - Measurements

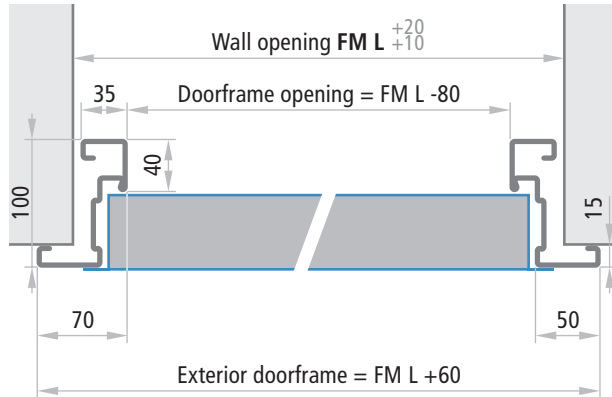
PROGET multipurpose doors

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PROGET
multipurpose

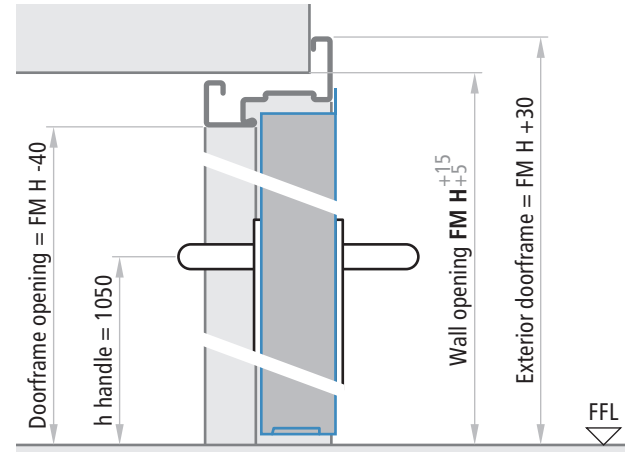
One-leaved doors

Horizontal cross section



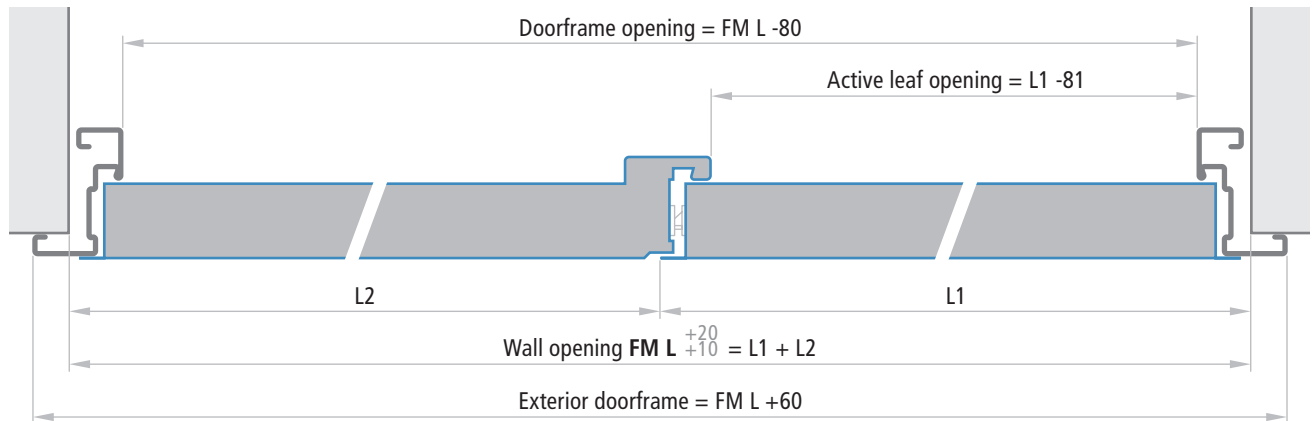
Doors without lower threshold

Vertical cross section



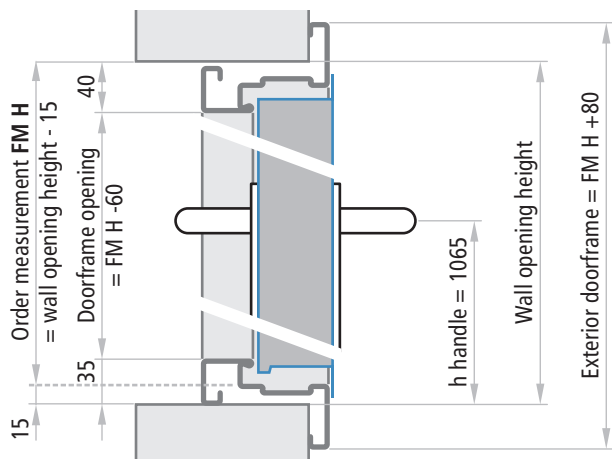
Two-leaved doors

Horizontal cross section



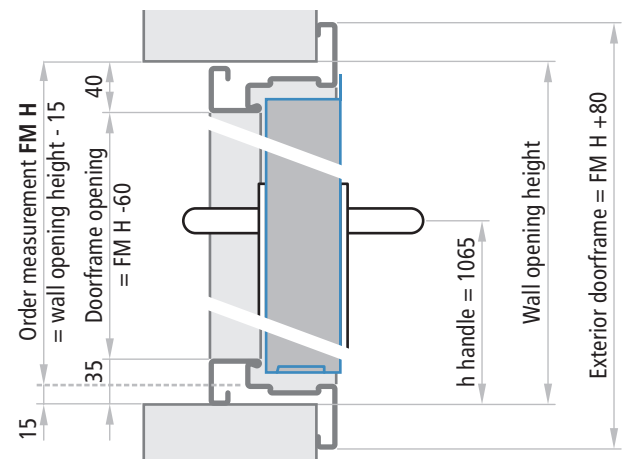
One-leaved doors with frame on 4 sides and leaf with lower rebate

Vertical cross section



One-leaved doors with frame on 4 sides and leaf without lower rebate

Vertical cross section



Leaves thickness

MULTIPURPOSE	60 mm
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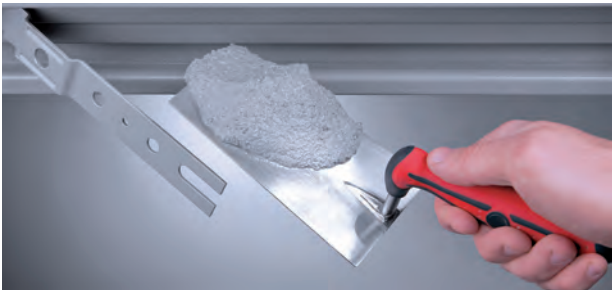
NOTE

The tolerances $FM L +20 +10$, $FM H +5 +15$ of the indicated measurements make it easier to fill the gap between the wall and the doorframe with cement mortar.

For dry wall installation, the holes must be precise and greater tolerance ranges should not be employed.

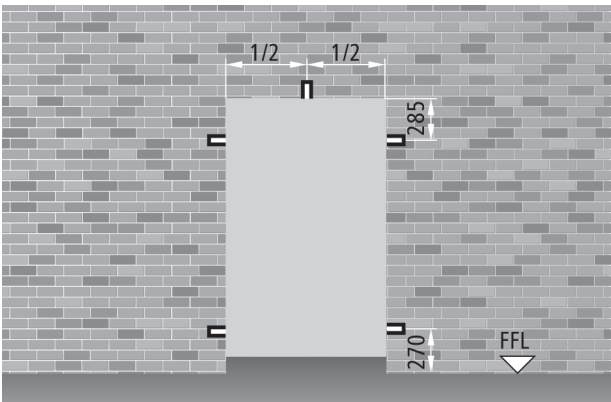
INSTALLATION WITH ANCHORS FOR MORTAR FIXING

Standard installation method for Proget doors is with anchors for mortar fixing. Appropriate cuts for the anchors will need to be created in the walls (section 80 x 200 mm) or fixed with plugs. For fixing with screws the anchors should be used as spacers and fixed with expansion screws. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam; the filling with polyurethane foam is mandatory in case of external use with **CE** marking.

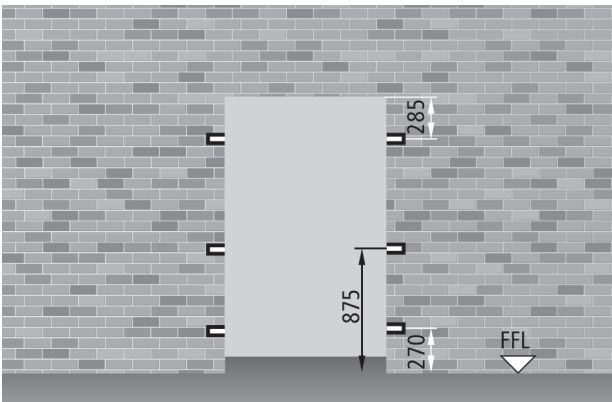


One-leaved doors

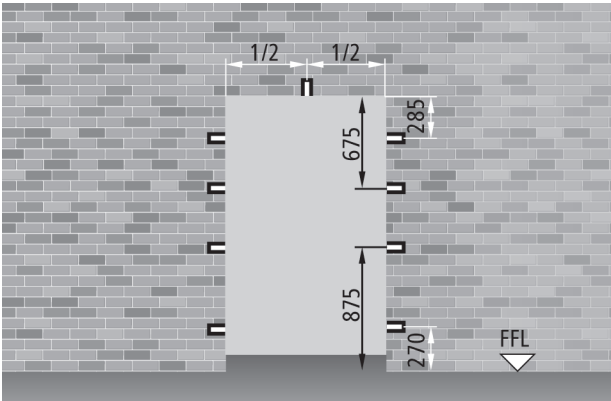
FM L = from 500 to 1340 x FM H = from 800 to 1749



FM L = from 500 to 1035 x FM H = from 1750 to 2200



FM L greater than 1036 and/or FM H greater than 2200



NOTE

For proper installation, the cuts for the anchors should be 80 x 200 mm in size.

Installation methods

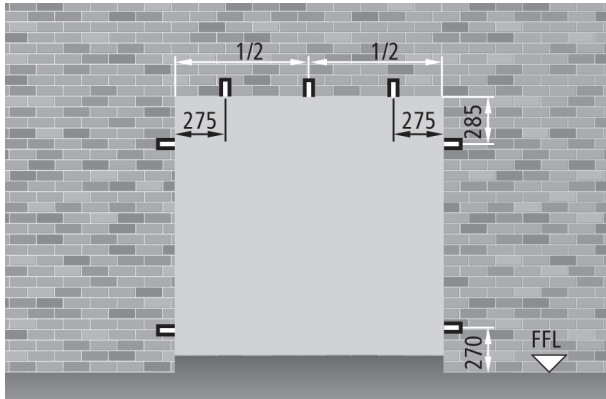
PROGET multipurpose doors

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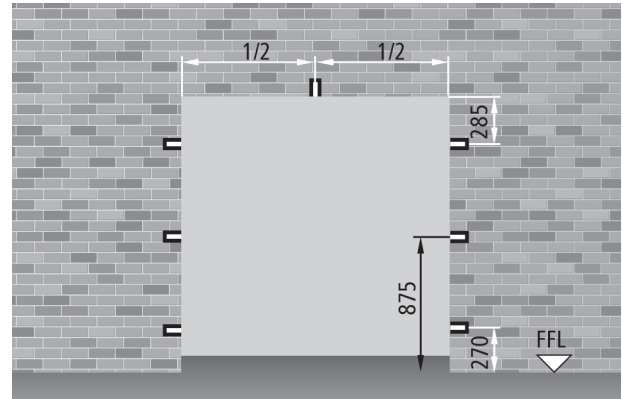
PROGET
multipurpose

Two-leaved doors

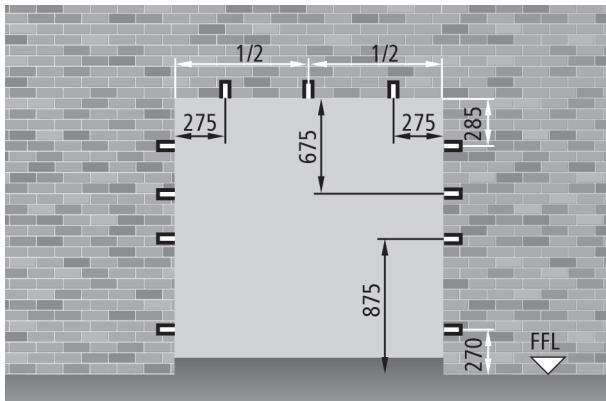
FM L = from 850 to 2660 x FM H = from 800 to 1749



FM L = from 850 to 2070 x FM H = from 1750 to 2200



FM L greater than 2070 and/or FM H greater than 2200



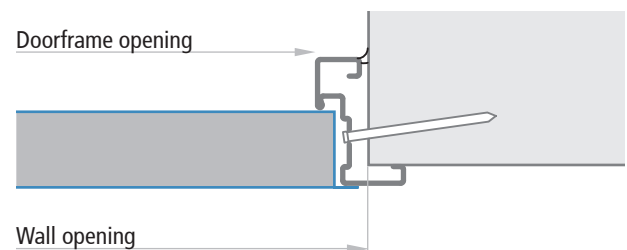
INSTALLATION FOR EXPANSION SCREWS FIXING

Upon request, the Proget doors can be supplied with pre-drilled holes for the installation with expansion/wall screws. In this case, the doorframe will be supplied without anchors. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar or polyurethane foam; the filling with polyurethane foam is mandatory in case of external use with **CE** marking.



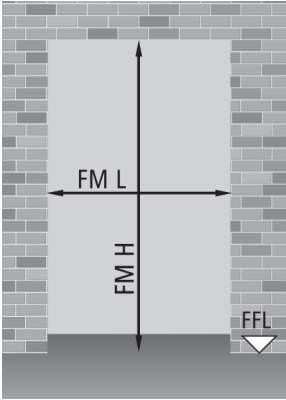
WALL SCREWS

For direct wall installations or installation onto subframes, special expansion screws should be used without plugs. Please see the "door accessories" pages for more details.

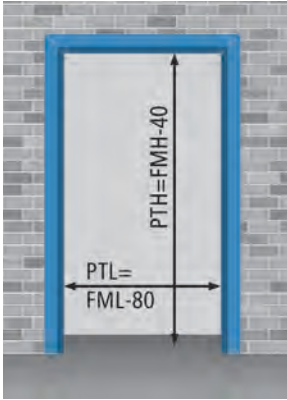


ORDER MEASUREMENTS

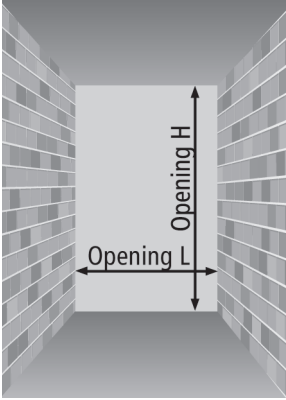
Wall Opening



Doorframe opening



In the reveal
application opening



One-leaved doors
Opening L = FM L + 70
Opening H = FM H + 35

Two-leaved doors
Opening L = FM L + 70
Opening H = FM H + 35

NOTE
The wall openings to be created for in the reveal application, do not correspond to the order measurement and therefore should follow the above specifications.

One-leaved door FM L x FM H

PT L x PT H (doorframe opening)

standard dimensions				frame on 3 sides				frame on 4 sides			
800	x	2000 / 2050 / 2100 / 2150 / 2200		720	x	1960 / 2010 / 2060 / 2110 / 2160		720	x	1940 / 1990 / 2040 / 2090 / 2140	
900	x	2000 / 2050 / 2100 / 2150 / 2200		820	x	1960 / 2010 / 2060 / 2110 / 2160		820	x	1940 / 1990 / 2040 / 2090 / 2140	
1000	x	2000 / 2050 / 2100 / 2150 / 2200		920	x	1960 / 2010 / 2060 / 2110 / 2160		920	x	1940 / 1990 / 2040 / 2090 / 2140	
1100	x	2050 / 2100 / 2150 / 2200		1020	x	2010 / 2060 / 2110 / 2160		1020	x	1990 / 2040 / 2090 / 2140	
1200	x	2050 / 2100 / 2150 / 2200		1120	x	2010 / 2060 / 2110 / 2160		1120	x	1940 / 1990 / 2040 / 2090 / 2140	
1300	x	2000 / 2050 / 2100 / 2150 / 2200		1220	x	1960 / 2010 / 2060 / 2110 / 2160		1220	x	1990 / 2040 / 2090 / 2140	
1340	x	2050 / 2100 / 2150 / 2200		1260	x	2010 / 2060 / 2110 / 2160		1260	x	1990 / 2040 / 2090 / 2140	
non-standard dimensions											
from 500 to 1340	x	from 1750 to 2670		from 420 to 1260	x	1710 / 2630		from 420 to		1690 / 2610	

Order measurements - Handle height

PROGET multipurpose doors

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multipurpose

Two-leaved doors FM L (L1+L2) x FM H

PT L x PT H

standard dimensions				doorframe opening		
1150	(800 + 350)	x	2000 / 2050 / 2100 / 2150 / 2200	1070	x	1960 / 2010 / 2060 / 2110 / 2160
1200	(800 + 400)	x	2000 / 2050 / 2100 / 2150 / 2200	1120	x	1960 / 2010 / 2060 / 2110 / 2160
1250	(800 + 450)	x	2000 / 2050 / 2100 / 2150 / 2200	1170	x	1960 / 2010 / 2060 / 2110 / 2160
1250	(900 + 350)	x	2000 / 2050 / 2100 / 2150 / 2200	1170	x	1960 / 2010 / 2060 / 2110 / 2160
1300	(900 + 400)	x	2000 / 2050 / 2100 / 2150 / 2200	1220	x	1960 / 2010 / 2060 / 2110 / 2160
1350	(900 + 450)	x	2000 / 2050 / 2100 / 2150 / 2200	1270	x	1960 / 2010 / 2060 / 2110 / 2160
1350	(1000 + 350)	x	2000 / 2050 / 2100 / 2150 / 2200	1270	x	1960 / 2010 / 2060 / 2110 / 2160
1400	(1000 + 400)	x	2000 / 2050 / 2100 / 2150 / 2200	1320	x	1960 / 2010 / 2060 / 2110 / 2160
1450	(1000 + 450)	x	2000 / 2050 / 2100 / 2150 / 2200	1370	x	1960 / 2010 / 2060 / 2110 / 2160
1600	(800 + 800)	x	2000 / 2050 / 2100 / 2150 / 2200	1520	x	1960 / 2010 / 2060 / 2110 / 2160
1700	(900 + 800)	x	2000 / 2050 / 2100 / 2150 / 2200	1620	x	1960 / 2010 / 2060 / 2110 / 2160
1800	(900 + 900)	x	2000 / 2050 / 2100 / 2150 / 2200	1720	x	1960 / 2010 / 2060 / 2110 / 2160
1800	(1000 + 800)	x	2000 / 2050 / 2100 / 2150 / 2200	1720	x	1960 / 2010 / 2060 / 2110 / 2160
1900	(1000 + 900)	x	2000 / 2050 / 2100 / 2150 / 2200	1820	x	1960 / 2010 / 2060 / 2110 / 2160
2000	(1000 + 1000)	x	2000 / 2050 / 2100 / 2150 / 2200	1920	x	1960 / 2010 / 2060 / 2110 / 2160

non-standard dimensions

from 850 (500 + 350) to 2660 (1330 + 1330)	x	from 1750 to 2670	from 770 to 2580	x	from 1710 to 2630
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NOTE

Doors leaves that are wider than they are tall are not permitted.

HANDLE HEIGHT

One-leaved door

$h = 1050$ (FM H ≥ 1750)

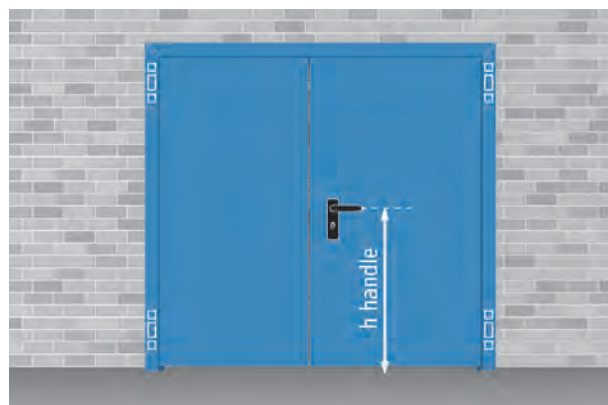
Different heights available upon request only



Two-leaved door

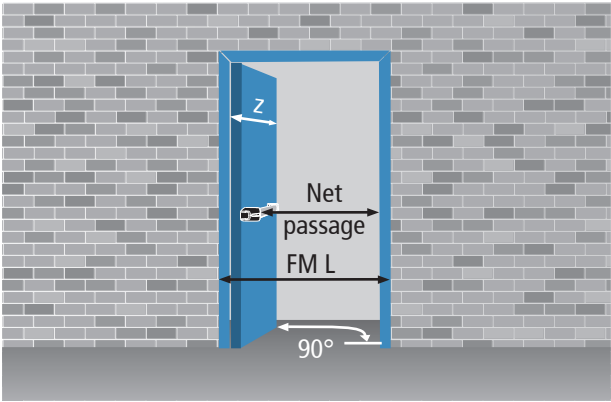
$h = 1050$ (FM H ≥ 1750)

Different heights available upon request only

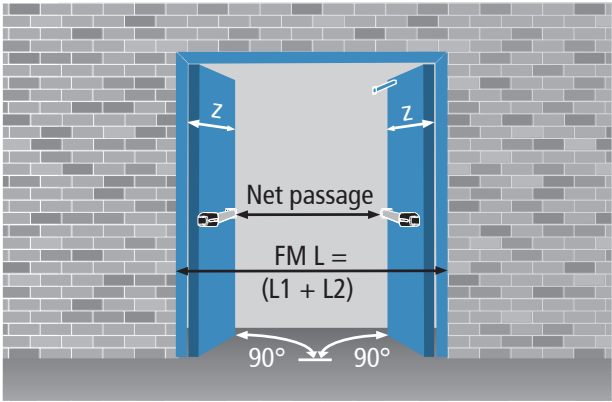


OPENING MEASUREMENTS AND OVERALL DIMENSIONS WITH 90 DEGREE OPENING

One-leaved doors with panic bar



Two-leaved doors with panic bars



Net passage calculation

panic bar type	protrusion	one-leaved door	two-leaved door
EXUS	125	FM L - 245	FM L - 410
TWIST	100	FM L - 220	FM L - 360
SLASH	75	FM L - 195	FM L - 310
FAST TOUCH	75	FM L - 195	FM L - 310
without panic bar	-	FM L - 120	FML - 160
z = leaf protrusion relative to the wall		FM L + 27	L1 + 35, L2 + 75

OVERALL DIMENSIONS WITH 180 DEGREE OPENING

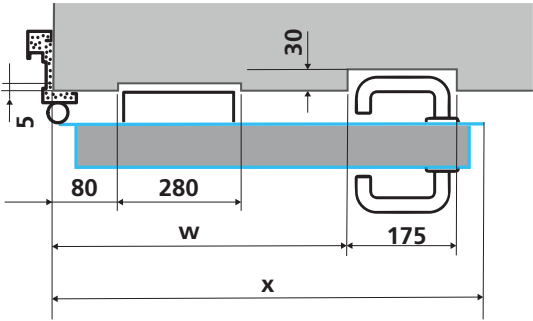
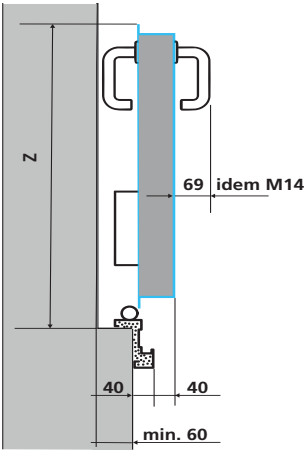
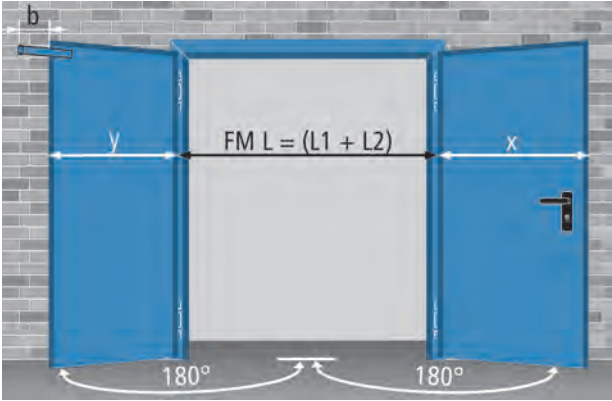
One-leaved door

$x = FM L - 7$



Two-leaved door

$x = L1 + 1$ $y = L2 + 42$ $b = 130$



GENERAL INFORMATION

The technical specifications in this brochure and also the "Notices" section of the following chapter, are of basic importance in order to have the necessary information about the characteristics of Ninz products that will be ordered. As reported in the order forms or confirmations, buyer must declare to be aware of these specifications.

A complete and updated version of this brochure, as well as all documents related to fire doors or CEE marked doors (certificates of conformity, installation instructions, DOP documents, etc.) are available and downloadable from the website www.ninz.it.

Ninz reserves the right to make unannounced technical changes to the contents of this brochure and/or to its products, without any obligation to prior announcements.

No reproduction (partial or total) of the current brochure is allowed without prior authorization by Ninz.

If not specified, the measurements indicated in the current brochure are in millimeters, unless otherwise indicated.

Because of the intrinsicities of the printing process the colors depicted in this brochure may not correspond exactly to the colors of actual doors. Please see RAL or NCS samples.

The performance values listed in the current brochure have been reached with tests according to the current norms. The customer shall acknowledge that these may change according to:

- real installation conditions
- adjustments of leeway
- connections between door and wall
- execution of the wall itself

The standard handle requires assembly (supplied not installed on the door).

The colors shown on the photos are not standard.

Handles, panic bars, cylinders, sealings, door closers, closing regulators, anchors, stainless steel protective-/kick-plates, drip steel profile and others are optional accessories and are supplied not installed onto the door.

The handle height positions indicated in the brochure are those standard. For special requests, please contact the Ninz sales department.

A summary of the standards about emergency exit devices or panic devices for safety exits is published in the current brochure and must be respected by all operators.

Meaning of used abbreviations or symbols

Abbreviation or symbol	meaning	comments
Ø	diameter	
DX	right	opening direction
FFL	finished floor level	
FM	ordering dimension	may be different to the wall opening
FPC	plasterboard wall opening	dimension of the wall opening to be created
H	height	
L	width	
L1	division of the active leaf	nominal dimension
L2	division of the inactive leaf	nominal dimension
PT	doorframe opening	
SX	left	opening direction
	internal pedestrian door	
	external door	

Meaning of used measurement units

Abbreviation	meaning	comments
°C	Celsius degree	temperature
A, mA, µA	Ampère, milliAmpère, microAmpère	intensity of the current („I")
AC	(Volt) alternating current	voltage
DC	(Volt) direct current	voltage
h	hour	time
Kg o kg	kilogram	weight
m, mm	meter, millimeter	dimension
nr.	number	quantity
sec.	second	time
V	Volt	electric potential

INSTALLATION AREA

Ninz products are typically used for internal compartmentalization and have been designed for this purpose. For this reason they must be stored and installed sheltered from direct contact of atmospheric agents and sunlight.

In cases where a product is installed for external use, in order to avoid deteriorations over time, it is mandatory to take some precautions, in particular:

- select a painting suitable for exterior use
- select fire-rated glass suitable for exterior use
- provide canopies or roofing above installed products

Only in this way it is possible to avoid any water seeping inside the goods and/or any warping of metal parts, especially in case of darker colours.

For products that incorporate REI or EI fire-rated glass, regardless of whether they are suitable for exterior use, it is further necessary to consider that:

- fire-rated glass remains stable in the range of temperature between -40°C and +50°C; exceeding this limits, the fire resistant interlayer of the glass reacts and begins to become opaque over the whole surface. Therefore it is necessary to avoid the installation near any heat source greater than 50°C and/or any lighting that may generate UV radiation
- exposure to high level of humidity may cause seeps inside of the layers, thus generating a dissolution of the interlayer. Therefore it is necessary to avoid the installation in areas with high level of humidity

It is not advisable to use the anti-panic bars EXUS LA or SLASH ALU for marine environments or in particularly humid areas. For these situations the use of the anti-panic bars EXUS LX or SLASH S.S. is recommended.

Buyers should be aware that, pursuant to and in accordance with Italian Legislative Decree D.L. 09.04.2008 Nr. 81, all doors used for emergency exits or escape routes must have a minimum height of 2000mm.

All products must be installed onto supporting walls which are perfectly vertical, well aligned and onto levelled flooring.

In order to not hinder the self-closing of fire-rated doors it is moreover important that the installation area is not subject to strong air currents.

For the automatic closing of doors exposed to strong winds, the use of a door closer with a higher closing force is recommended.

The installation can be considered conform only with prior verification that the walls are in good conditions. Related to the weight of the products, it is moreover necessary to consider preventively:

- to verify the resistance, the load bearing capacity and the fastening suitability of the walls, divisions, structures and/or crossbeams related to the installation
- that the end-user may face difficulties operating the doors, especially people with reduced mobility (disabled, seniors, in poor health, etc.). It is important to take this factor into consideration, therefore while planning the use of products and/or to always hold the leaves open by means of electromagnets

The protrusion of accessoires (for ex. handles, door closers, etc.), in case of interference with walls or other compartmentalizations, could compromise the opening of the leaf and/or create damages. In order to avoid that, buyers shall provide appropriate indents in the walls and in any case the installation of appropriate door stoppers.

INSTALLATION, USE AND MAINTENANCE

Installation of every Ninz product must be performed by specialized technicians only, using all supplied and described components, strictly in accordance with the installation, use and maintenance handbook or with the installation instructions supplied by Ninz with the products.

Any installation modifications allowed for door and/or accessoires are only those that are indicated in the installation, use and maintenance handbook, which contain also the list of elements that have been tested and approved for use.

For the maintenance and/or repair of the Ninz products use original spare parts only which are listed in the installation instructions and also in price list.

The above mentioned notices are of basic importance to provide a high level of safety for human and for goods and in compliance with relevant norms.

GLAZED FIRE-RATED PRODUCTS

REI or EI fire-rated glazed panels are submitted to rigorous quality controls during every stage of the production process. Minor optical imperfections or tiny air bubbles may be present due to the particular manufacturing process of the fire-rated glass. This does not compromise the fire resistance of the glass and does not constitute grounds for claims.

Steam cleaning is strictly forbidden for fire-rated windows.



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