

NINZ®
FIREDOORS

General brochure

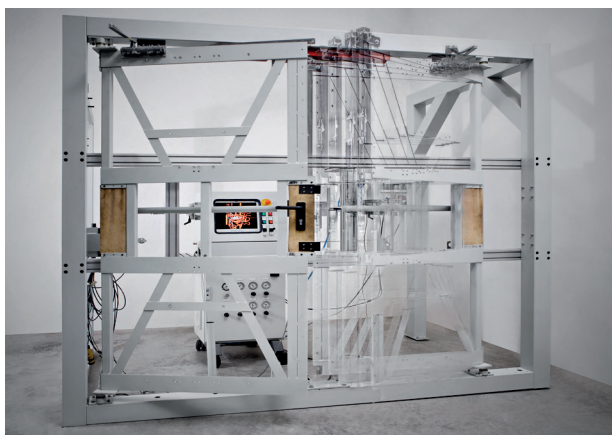


PRESENTATION - THE RELIABILITY OF EXPERIENCE

Ninz S.p.A. is Italy's leading producer of fire doors with a 70% market share. Consolidated experience in the sector, familiarity with standards and optimal quality-price ratios are the company's most distinguishing features. Over the years it has broadened its offer to include multipurpose metal doors and a wide range of accessories. In addition to Italy, Ninz S.p.A. also markets its products in numerous other European countries like France, Greece, Portugal, Romania, Spain, Slovenia... and countries outside of Europe like Turkey, Russia and Panama.

Production takes place in two different facilities - Bolzano and Ala (TN), where the departments for research and development, sales and logistics are also located. In Ala a third facility is currently under construction designed to further enhance production capacity.

From its beginnings as a small family-owned metal works company in 1953, over the years the company has evolved to become a major industrial player with 250 employees. The main impetus for growth came from its owner, Karl Ninz, who first introduced the production of fire doors in 1976.



DESIGN AND RESEARCH - EYES ON THE FUTURE

Continuous product improvements are managed by a team of expert engineers and technicians, who combine scrupulous attention to fire regulations with the practical concerns of builders, installers and locksmiths. This research, for instance, has generated certified installation methods for mounting fire doors on different types of support structures, such as masonry, plasterboard and sub-frames.



Thanks to the in-depth study of foreign standards, Ninz S.p.A. has also succeeded in certifying its products in a number of foreign countries, including France, Slovenia, Russia, Romania...



The company NINZ S.p.A. offers already today fire rated doors with "additional performances" which satisfy requirements of acoustic and thermal performances, resistance to windload and water-tightness, as well as multifunctional external doors which are CE marked.

PRODUCTION - VERSATILITY AND DESIGN

The daily production capacity is 2000 doors, which are currently divided into the PROGET line (fire rated and multipurpose), the UNIVER line (fire rated and multipurpose) and REVER line (multipurpose). Products are made to order for even the smallest quantities, satisfying the most demanding customers thanks to the wide variety of colors, accessories and windows available.

Customization of the product reaches a pinnacle with the NDD technology (Ninz Digital Decor), a trademark, NINZ decorative painting which permits any theme (words, pictures, logos) to be reproduced on the door-leaf surface. As an expression of the NDD claim, fire doors are transformed into versatile design elements at the disposal of architects and designers. This project earned the company the prestigious "Design Security & Safety Award" in 2007.



MARKETING - A SERVICE-ORIENTED PERSPECTIVE

Thanks to their reliability and quality, Ninz fire doors are used throughout Italy and in many countries across the world in public buildings where safety is at a premium: schools, hospitals, convention centers, shopping malls, manufacturing sites, hotels, museums...

The distribution within Italy is capillary thanks to a dense network of retailers supported by over one hundred sales agents.

Punctual delivery - one of the company's strongest points - is guaranteed by the careful planning of the production and by the quality transport services, which are both organized in-house.

The service that Ninz S.p.A. offers its customers is completed by the internal technical-sales department, which assists agents and customers in the pre- and post-sales phases, and by the fitting department, which directly follows product installations at the customer's request.

For international distribution, Ninz S.p.A. draws on (depending on the country) agents, exclusive retailers and networks of retailers supported by a dedicated internal technical-sales department.

Daily shipment to France is possible thanks to the special wooden-crates packaging and the local logistics network that has been created. Due to its great success, this service will soon be extended to other European countries.

**"safer because
they are sturdier"**

Ascensore/Lift





PROGET NINZ Doors

MULTIPURPOSE VERSION

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Features

PROGET multipurpose doors

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”

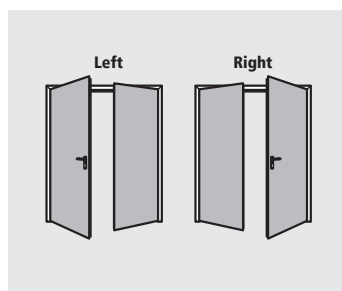
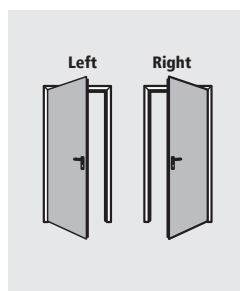
- Very wide field of application
- Can be combined with various frame types
- Installation onto any wall type
- Installation with a block frame possible

“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

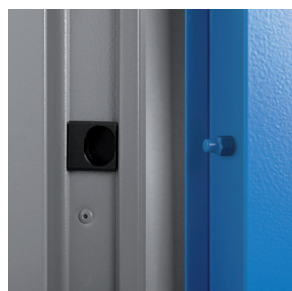
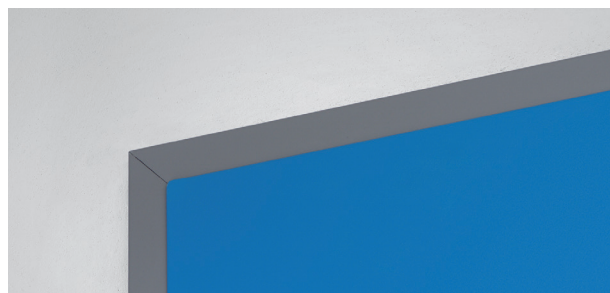
STANDARD ELEMENTS

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

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

Features

PROGET multipurpose doors



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

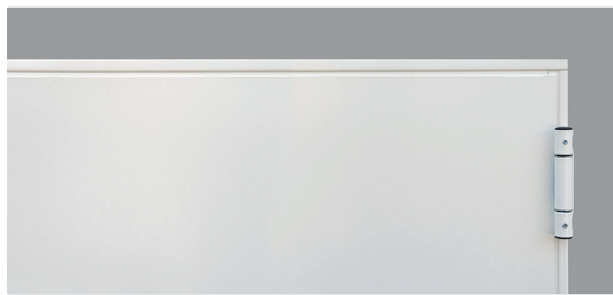
- Vertical rod with steel point which inserts into lower strike box
- Lower floor catch (floor-mounted bushing) made of black plastic with rebate stopper

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

Door weight

kg/m² of wall opening

1 leaf	29
2 leaves	26

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 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

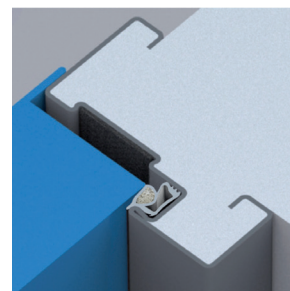
- Special frames
- Frame extensions
- Different kinds of floor mounted catches
- Roofing and drip steel-profile
- Special installation screws
- Kick and protection plates in stainless steel
- Rectangular windows, standard or built to order
- Round windows
- Wide variety of louvers
- One-leaved door with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



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

Specific optional accessories - Windows

PROGET multipurpose doors



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.

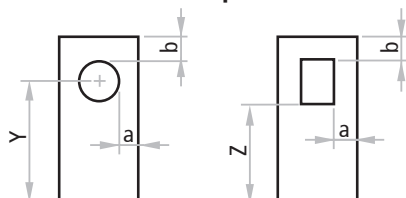
Elevation for round windows

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
400 x 600 KIPP	minimum 2150	Z=1250
400 x 600 KIPP	from 2050 to 2149	Z=1150
400 x 600 KIPP	less than 2050	Z=FM H - 800
min. 250 x 250		Z=as indicated by costumer

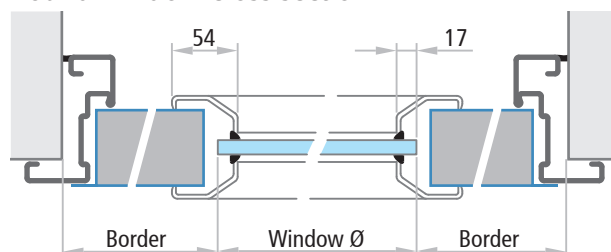
Borders, window position



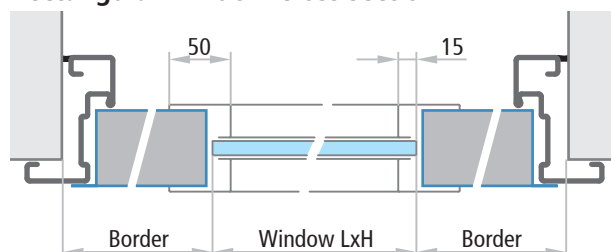
NOTE

For the rectangular windows the frame carters are an optional accessory

Round window cross section

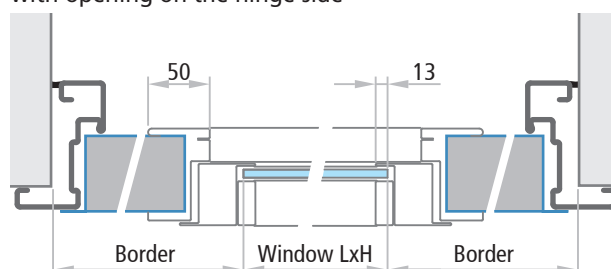


Rectangular window cross section



KIPP window cross section

with opening on the hinge side



Specific optional accessories - Windows

PROGET multipurpose doors



Window dimensions

		min. border		dimensions FM L min.	
		a	b	L1	L2
	Ø 300	200	200		700
	Ø 400				800
	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
laminated, 2B2 rated	3 + 3 mm	Kipp 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	
	400 x 600 KIPP	300	300	1000	
	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	
	400 x 600 KIPP	300	300	L1 1000 + 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	
	400 x 600 KIPP	300	300	L1 1000 + L2 1000	

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

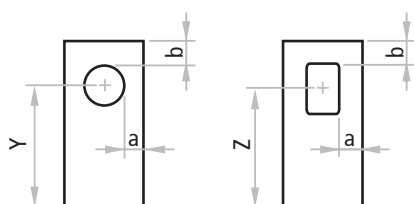
"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

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

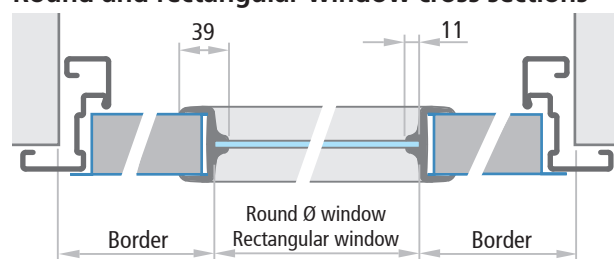


NOTE

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



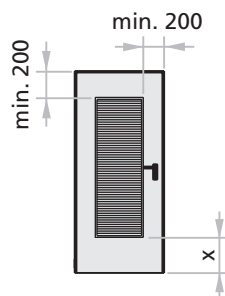
Window dimensions

		minimum border		FM L min. dimensions
		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.



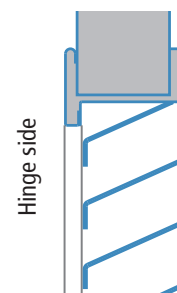
x = min. 200 mm for louver heights up to 1200 mm
x = min. 500 mm for louver heights over 1200 mm



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.

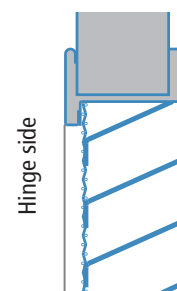
Dimensions L x H	estimated air flow
300 x 400	500 cm ²
400 x 600	1100 cm ²
400 x 1200	2500 cm ²
to order	on request



Louver with steel grate plates and anti-rodent mesh

Louver with steel grate plates overlaid with a metal anti-rodent mesh (13x13x1mm sheet). Standard production employs angled steel grate plates that slope downwards in the same direction as the door pull.

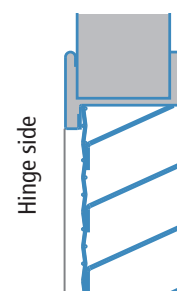
Dimensions L x H	estimated air flow
300 x 400	400 cm ²
400 x 600	900 cm ²
400 x 1200	2000 cm ²
to order	on request



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.

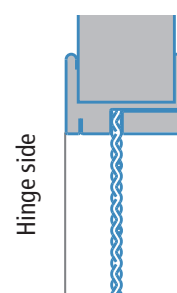
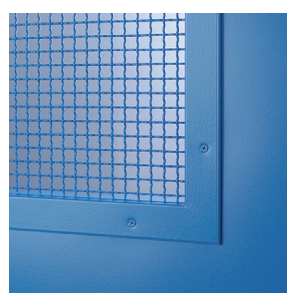
Dimensions L x H	estimated air flow
300 x 400	400 cm ²
400 x 600	800 cm ²
400 x 1200	2000 cm ²
to order	on request



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	1500 cm ²
400 x 1200	3100 cm ²
to order	on request



Specific optional accessories

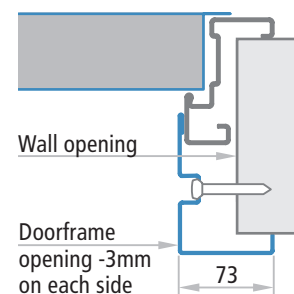
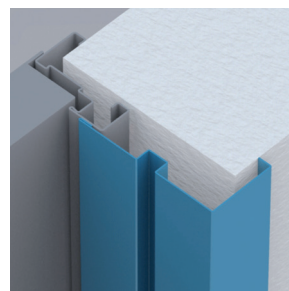
PROGET multipurpose doors



FRAME EXTENSIONS FOR PROGET DOORS

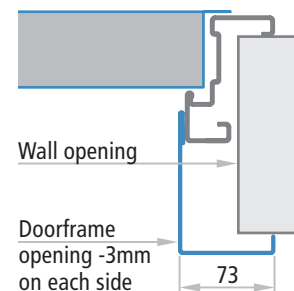
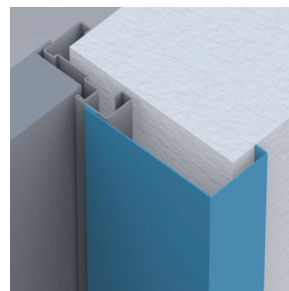
IM 1

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).



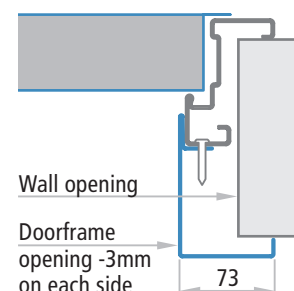
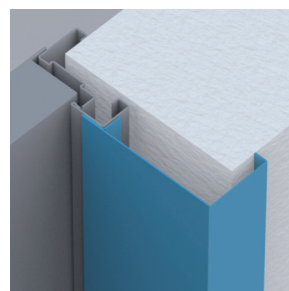
IM 3

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).



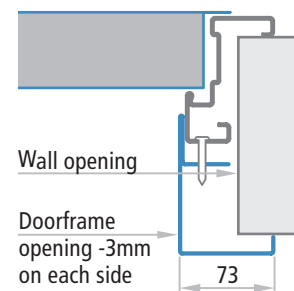
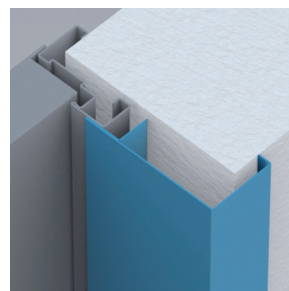
IM 4

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.



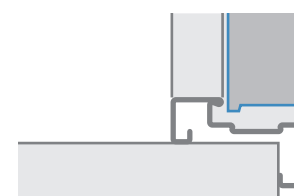
FRAME ON FOUR SIDES

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.

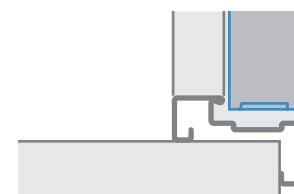
The frame on four sides is not available for the following applications: doors installed onto escape routes, two-leaved doors, external doors $\text{C}\epsilon$ marked, application with embracing frame or block frame for in the reveal application, in combination with frame extensions.

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

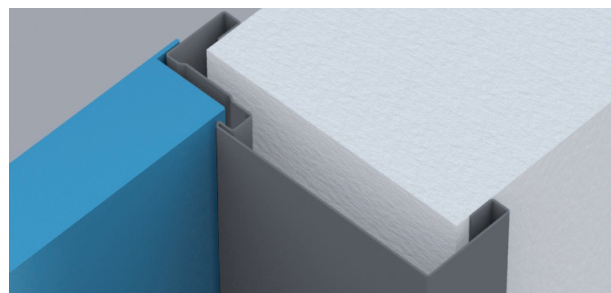
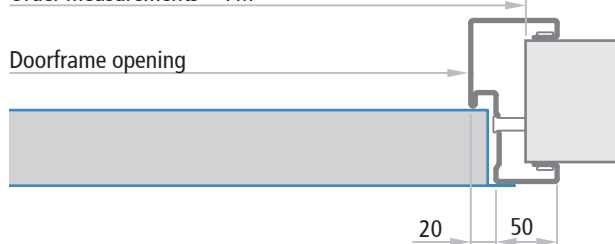


SPECIAL FRAMES FOR PROGET MULTIPURPOSE DOORS

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

Doorframe opening

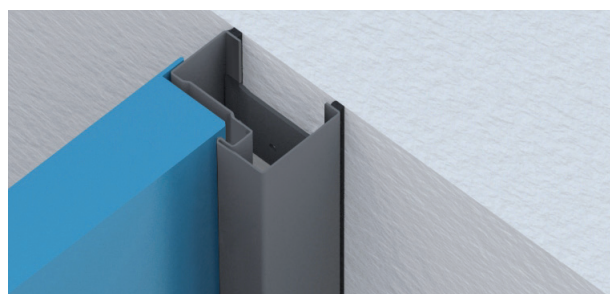


Minimum wall thickness for multipurpose doors = 70 mm

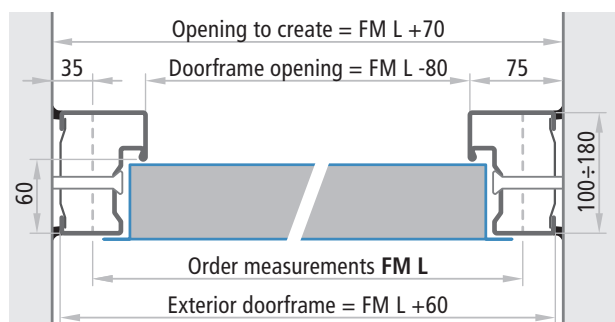
Order measurements	required wall opening	doorframe opening
FM L (width)	FM L	FM L - 80 mm
FM H (height)	FM H	FM H - 40 mm

BLOCK FRAME FOR IN THE REVEAL (TUNNEL) APPLICATIONS

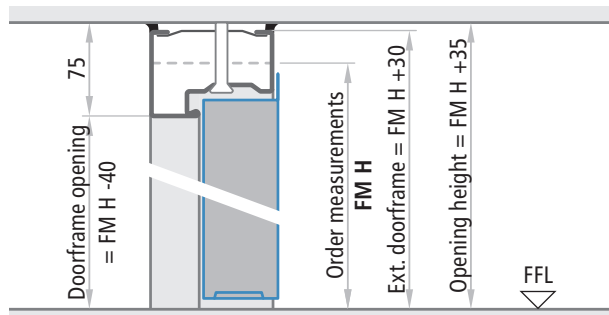
Three sided block frame application of Proget multipurpose doors, made of 1,5mm thick "Sendzimir" processed galvanized steel sheets. To be screwed to finished walls and equipped with integrated attachment shackles. Includes assembly joints, hole-covering caps, sealing and RAL painting with thermoset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



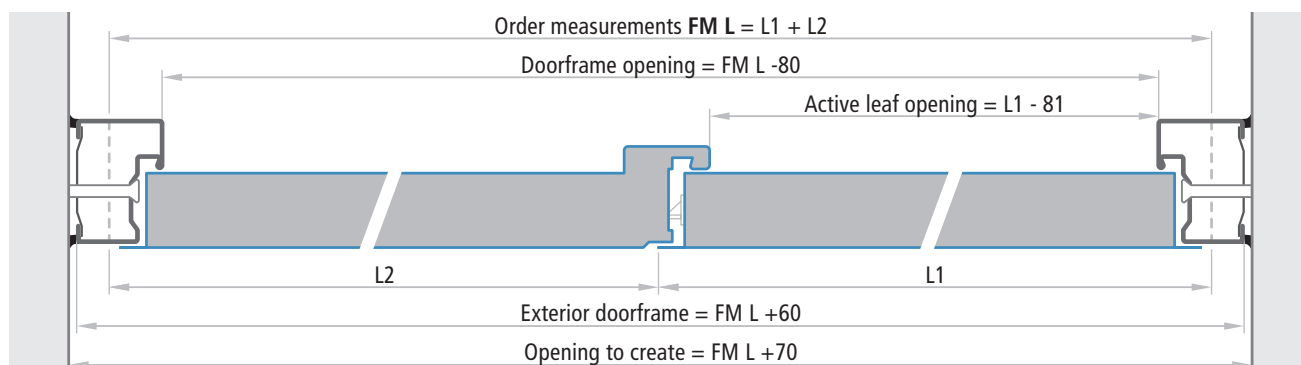
One-leaved doors - Horizontal cross section



Doors without lower threshold - Vertical cross section



Two-leaved doors - Horizontal cross section



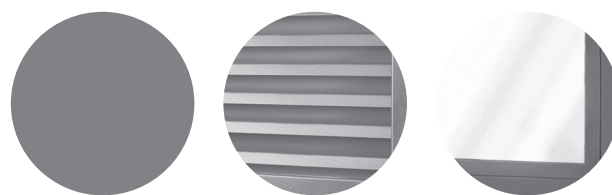
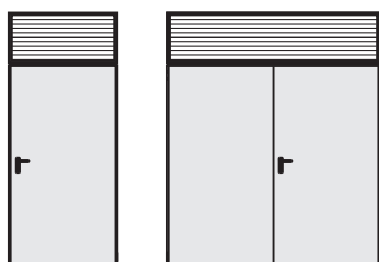
Specific optional accessories

PROGET multipurpose doors



PROGET OVERHEAD FRAME PANEL

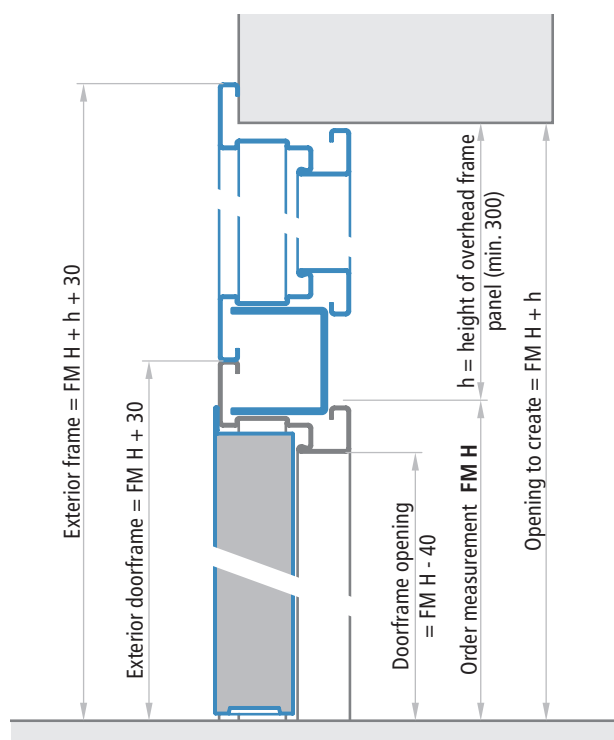
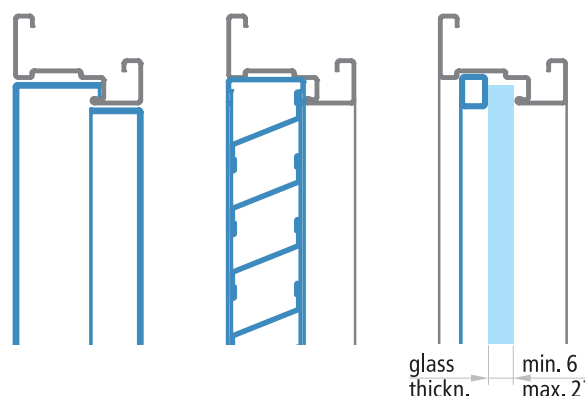
Available for the installation with Proget one- and two-leaved doors in following versions: blank filled with metal sheet from both sides (without insulation), with ventilation steel louver or with glazing bead (glass not supplied); all painted in the same color as doorframe with epoxy-polyester thermoset 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).



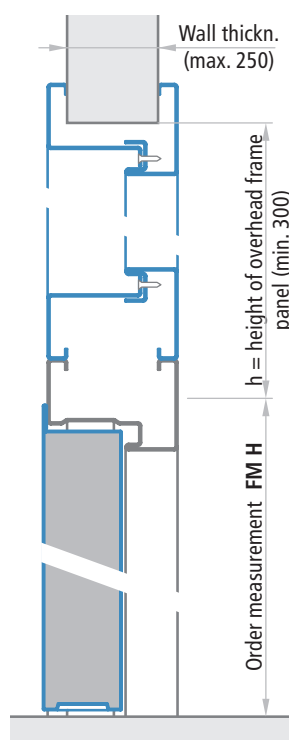
blank filled with metal sheet

with ventilation steel louver

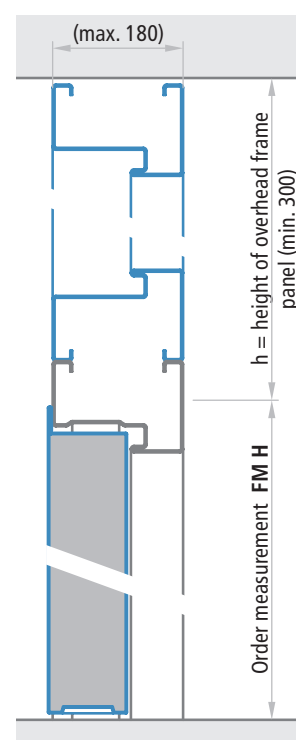
with glazing bead (glass not supplied)



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



with embracing doorframe



with block frame

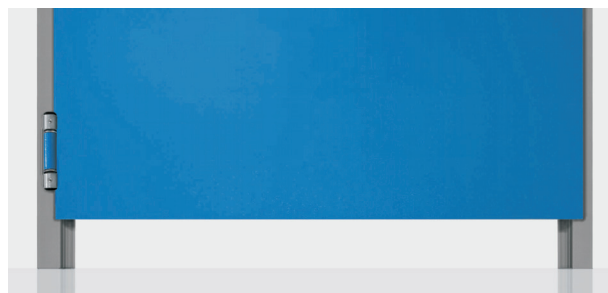
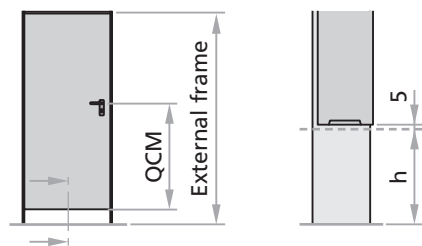
NOTE

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.

Calculus of window dimension: $FM L - 45 \text{ mm} \times h - 105 \text{ mm}$

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 $\text{C}\epsilon$ 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 $\text{C}\epsilon$ marking.



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

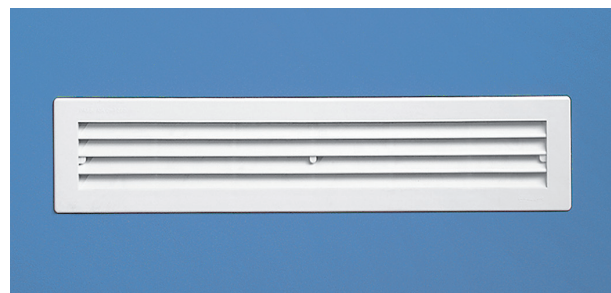
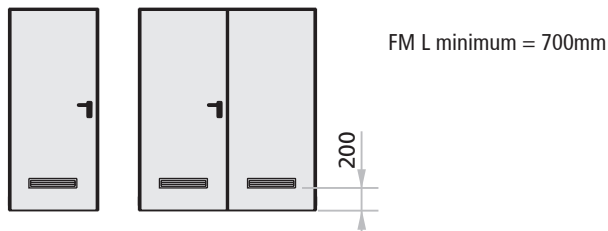
Specific optional accessories

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

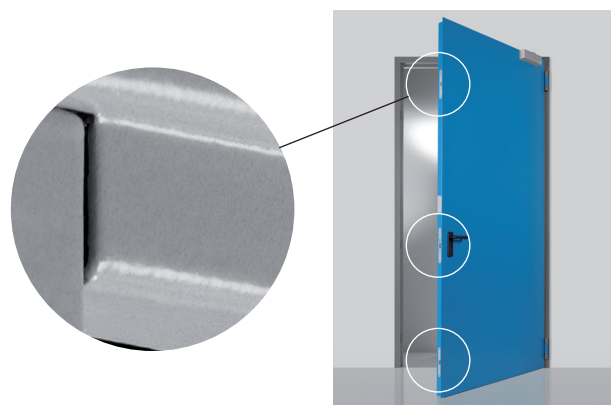
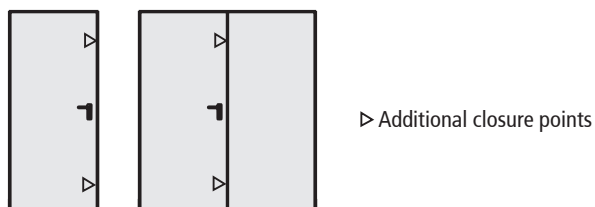
150 cm²

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.

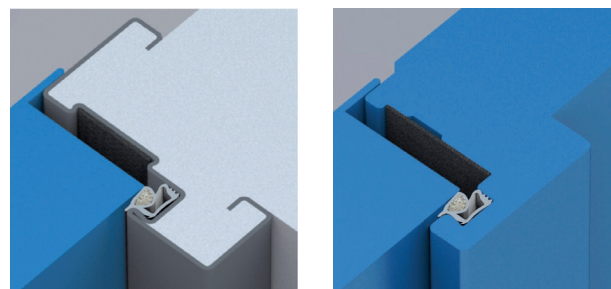


NOTE

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.



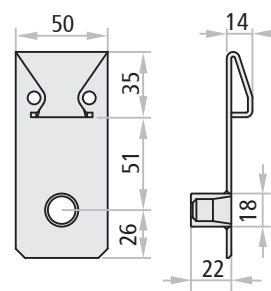
Specific optional accessories

PROGET multipurpose doors



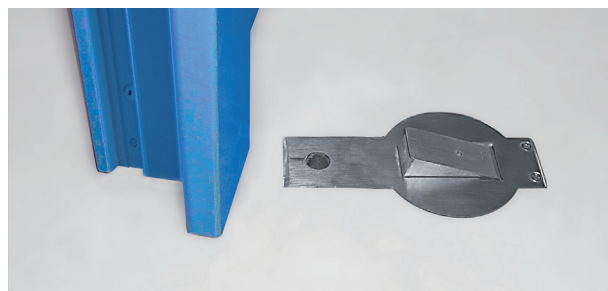
STEEL FLOOR CATCH

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

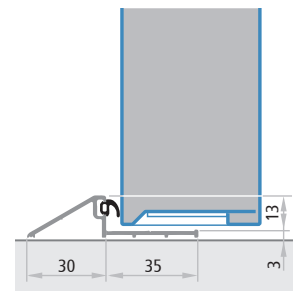
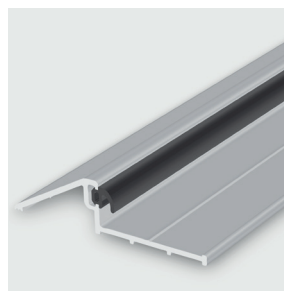
For the passing of the cable of the command function the installation into the floor of a wrinkled cable sleeve is necessary. The installation of the N626 requires trained personnel.

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.



Additional performances **CE** marked

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

NINZ[®]
FIREDOORS

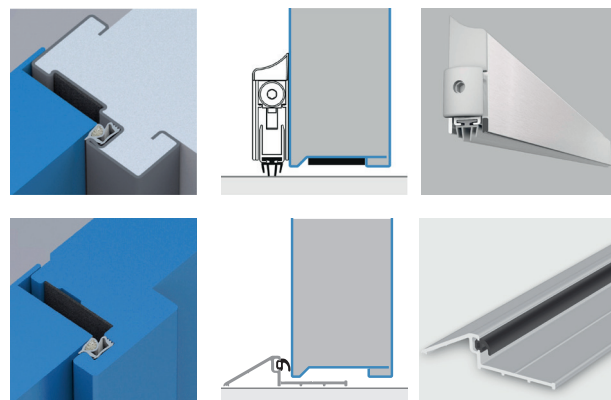
EXTERNAL PEDESTRIAN DOORS



The norm EN 14351-1:2006+A2:2016 defines 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 norm EN 14351-1:2006+A2:2016 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 0425-CPR-002237.

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** mark-
ing and relative documentation conform to the valid
standard.



ATTENTION

For the dimensional limits, minimum border measure-
ments or production possibilities please refer to the spe-
cific 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 sam-
ples 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 enhance-
ments:

- 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 400x600mm
the differing performance value for the thermal transmit-
tance needs to be asked, all other performance values re-
main 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.

CE
0425

ICIM

ICIM S.p.A. - Identification number: 0425
Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI) - ITALY

Certificato di costanza delle prestazioni
Certificate of constancy of performance

Certificato N.
Certificate No. **0425 - CPR - 002237**

In conformità al Regolamento 305/2011/UE del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento Prodotti da Costruzione o CPR), questo certificato si applica al prodotto da costruzione:
In compliance with Regulation 305/2011/UE 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:

Porte esterne pedonali su via di fuga
External pedestrian doors on escape routes

SERIE / SERIES **PROGET, UNIVER**
MODELLI / MODELS **Vedi allegati / See Annex**

Caratteristiche: vedi Allegato / Characteristics: see Annex

IMMESSO SUL MERCATO CON IL NOME O IL MARCHIO DI
PLACED ON THE MARKET UNDER THE NAME OR TRADE MARK OF
NINZ S.p.A.

SEDE LEGALE
HEAD OFFICE **Corso Trento, 2/A
38061 ALA (TN) - IT**

UNITÀ OPERATIVA
PRODUCTION UNIT **Corso Trento, 2/A
38061 ALA (TN) - IT** **Via Negrelli, 17
39100 BOLZANO (BZ) - IT**

Questo certificato attesta che tutte le disposizioni riguardanti la valutazione e la verifica della costanza delle prestazioni e le prestazioni descritte nell'allegato 2A della norma:
This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance described in Annex 2A of the standard:

EN 14351-1:2006 + A2:2016
nell'ambito del sistema 1 di cui al presente certificato vengono applicati e che il controllo di produzione in fabbrica condotto dal produttore è valutato al fine di garantire la
under system 1 set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

COSTANZA DELLA PRESTAZIONE DEL PRODOTTO DA COSTRUZIONE
CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT

Questo certificato è stato emesso per la prima volta il 11/11/2010 e ha validità sino a che la norma armonizzata, il prodotto da costruzione, i metodi ACVP o le condizioni di produzione nello stabilimento non subiscano modifiche significative, o sino a che non venga sospeso o ritirato dall'organismo di certificazione notificato ICIM S.p.A.
This certificate was first issued on 11/11/2010 and will remain valid as long as neither the harmonized standard, the construction product, the ACVP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body ICIM S.p.A.

Il presente Certificato è da ritenersi valido solo se accompagnato dal relativo Allegato 1. This Certificate is valid only with the relative Annex

Jo Defra
ICIM S.p.A.
Direttore Tecnico
EMISSIONE
ISSUE
25/05/2017

ICIM S.p.A. - Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)

EXTERNAL PEDESTRIAN DOORS

Essential requirements for classifications according to certificate 0425-CPR-002237



	FM L x H dimensions	standard angular frame block frame in the reveal applic embracing frame	combo CE Est/GS combo CE Est/GSV reached class with CR rebate sealing and automatic door sweep			combo CE Est/SF reached class with CR rebate sealing and fix threshold			
			air permeability	thermal transmittance	acoustic performance	air permeability	thermal transmittance	water-tightness	resistance to windload
	≤ 3,6 m ²	✓	class 2	1,31 W/m ² K		class 2	1,30 W/m ² K	class 1A	
	≤ 3,6 m ²	✓	class 2	1,59 W/m ² K		class 2	1,58 W/m ² K	class 1A	
	≤ 3,6 m ²	✓	class 2	1,49 W/m ² K		class 2	1,48 W/m ² K	class 1A	
	800 - 1100 x 2000 - 2250	✓ ✓ ✓			33 dB				
	1101 - 1340 x 2000 - 2250	✓ ✓ ✓			32 dB				
	800 - 1340 x 2251 - 2670	✓ ✓ ✓			32 dB				
	500 - 1150 x 1750 - 2150	✓ ✓ ✓							class C1
	≤ 3,6 m ²	✓	class 2	1,78 W/m ² K		class 2	1,77 W/m ² K	class 1A	
	≤ 3,6 m ²	✓	class 2	2,05 W/m ² K		class 2	2,04 W/m ² K	class 1A	
	≤ 3,6 m ²	✓	class 2	1,96 W/m ² K		class 2	1,95 W/m ² K	class 1A	
	800 - 1100 x 2000 - 2250	✓ ✓ ✓			32 dB				
	1101 - 1340 x 2000 - 2250	✓ ✓ ✓			31 dB				
	800 - 1340 x 2251 - 2670	✓ ✓ ✓			31 dB				
	700 - 1150 x 1750 - 2150	✓ ✓ ✓							class C1
	≤ 3,6 m ²	✓	class 3	1,72 W/m ² K		class 3	1,71 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	1,40 W/m ² K		class 3	1,39 W/m ² K	class 2A, 4B	
	≤ 3,6 m ²	✓	class 3	2,00 W/m ² K		class 3	1,99 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	1,60 W/m ² K		class 3	1,59 W/m ² K	class 2A, 4B	
	≤ 3,6 m ²	✓	class 3	1,91 W/m ² K		class 3	1,90 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	1,54 W/m ² K		class 3	1,53 W/m ² K	class 2A, 4B	
	(L1 o L2) 500 - 799 x 2000 - 2670	✓ ✓ ✓			30 dB				
	(L1 o L2) 800 - 1100 x 2000 - 2250	✓ ✓ ✓			33 dB				
	(L1 o L2) 1101 - 1330 x 2000 - 2250	✓ ✓ ✓			32 dB				
	(L1 o L2) 800 - 1330 x 2251 - 2670	✓ ✓ ✓			32 dB				
	850 - 2300 x 1750 - 2150	✓ ✓ ✓							class C1
	≤ 3,6 m ²	✓	class 3	2,51 W/m ² K		class 3	2,50 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	1,90 W/m ² K		class 3	1,89 W/m ² K	class 2A, 4B	
	≤ 3,6 m ²	✓	class 3	2,79 W/m ² K		class 3	2,78 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	2,09 W/m ² K		class 3	2,08 W/m ² K	class 2A, 4B	
	≤ 3,6 m ²	✓	class 3	2,70 W/m ² K		class 3	2,68 W/m ² K	class 2A, 4B	
	> 3,6 m ²	✓	class 3	2,02 W/m ² K		class 3	2,01 W/m ² K	class 2A, 4B	
	(L1 o L2) 700 - 799 x 2000 - 2670	✓ ✓ ✓			29 dB				
	(L1 o L2) 800 - 1100 x 2000 - 2250	✓ ✓ ✓			32 dB				
	(L1 o L2) 1101 - 1330 x 2000 - 2250	✓ ✓ ✓			31 dB				
	(L1 o L2) 800 - 1330 x 2251 - 2670	✓ ✓ ✓			31 dB				
	1050 * - 2300 x 1750 - 2150	✓ ✓ ✓							class C1

* = only for single leaf with window

other essential requirements

load-bearing capacity of safety devices	pass
ability to release	pass
dangerous substances	according to norm

ATTENTION

To avoid degradation of the product in time, for doors exposed to atmospheric agents and sun light, it is mandatory to use:

- canopies or roofing above the products
- paintings suitable for exterior use with UV protection
- low emission chamber glass 3+3/12/3+3
- lighter RAL colors to avoid excessive heating of the steel sheets

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 Rw 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-C05-01-en-03)

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

Prepared by the
notified body
ift Rosenheim GmbH
Theodor-Gietl-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



Basin
EN 13501-2:2007+A1:2009
EN 13501-2:2016
EN 13501-1:2012
EN 1634-1:2014
EN 1634-3:2004A/C:2009
EN 1191:2012
EN 10034:2014

Instructions for use
This classification report for smoke control and durability of self-closing devices defines the classification assigned to the building element according to its product name in conformity with the methods set out in EN 13501-2. This classification document does not represent type approval or certification of the product.

Validity
The data and results given relate solely to the tested and described specimen.

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

Classification

Sa / S200
CS

ift Rosenheim
07.05.2018



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

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

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 Sa - Combo dB Sa/v with rebate sealing CR and 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		Sa	-	-
		800 - 1100 x 2000 - 2250	✓	✓		Rw = 33 dB			
		1101 - 1340 x 2000 - 2250	✓	✓		Rw = 32 dB			
	with window 300x400	800 - 1340 x 2251 - 2670	✓	✓		Rw = 32 dB			
		≤ 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		Sa	-	-
		800 - 1100 x 2000 - 2250	✓	✓		Rw = 32 dB			
	without windows	1101 - 1340 x 2000 - 2250	✓	✓		Rw = 31 dB			
		800 - 1340 x 2251 - 2670	✓	✓		Rw = 31 dB			
		≤ 3,6 m ²	✓		S200 classe 3	1,7 W/m ² K	Sa	-	1,7 W/m ² K
		> 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
	with windows 300x400	> 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		Sa	-	-
		> 3,6 m ²	✓		S200 classe 3		Sa	-	-
		(L1 or L2) 500 - 799 x 2000 - 2670	✓	✓		Rw = 30 dB			
		(L1 or L2) 800 - 1100 x 2000 - 2250	✓	✓		Rw = 33 dB			
	with windows 300x400	(L1 or L2) 1101 - 1330 x 2000 - 2250	✓	✓		Rw = 32 dB			
		(L1 or L2) 800 - 1330 x 2251 - 2670	✓	✓		Rw = 32 dB			
		≤ 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
		≤ 3,6 m ²	✓		S200 classe 3	2,3 W/m ² K	Sa	-	2,3 W/m ² K
	with windows 300x400	> 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		Sa	-	-
		> 3,6 m ²	✓		S200 classe 3		Sa	-	-
		(L1 or L2) 500 - 799 x 2000 - 2670	✓	✓		Rw = 29 dB			
		(L1 or L2) 800 - 1100 x 2000 - 2250	✓	✓		Rw = 32 dB			
	with windows 300x400	(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 GS and GSV, Combo S200, S200V, db and dB/V

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

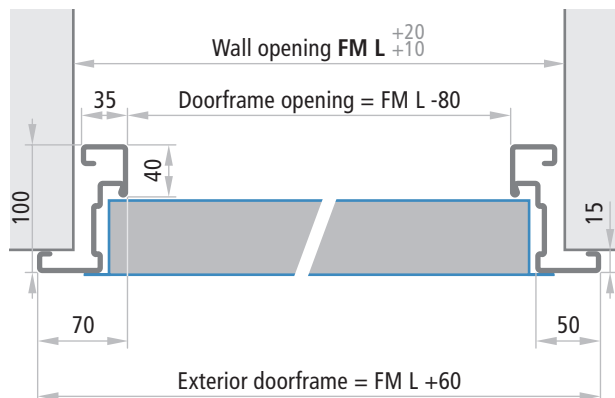
Door cross sections - Measurements

PROGET multipurpose doors

NINZ
FIREDOORS

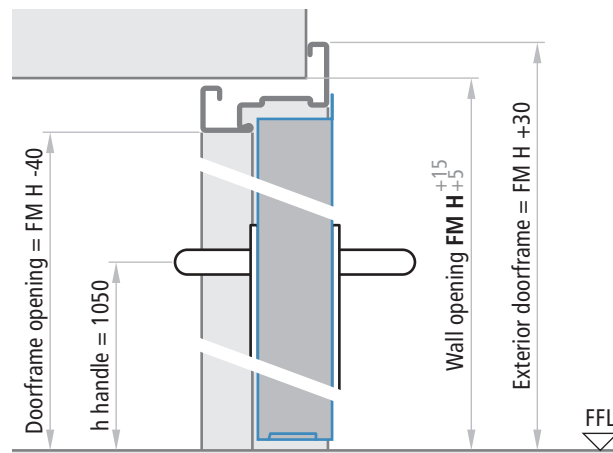
One-leaved doors

Horizontal cross section



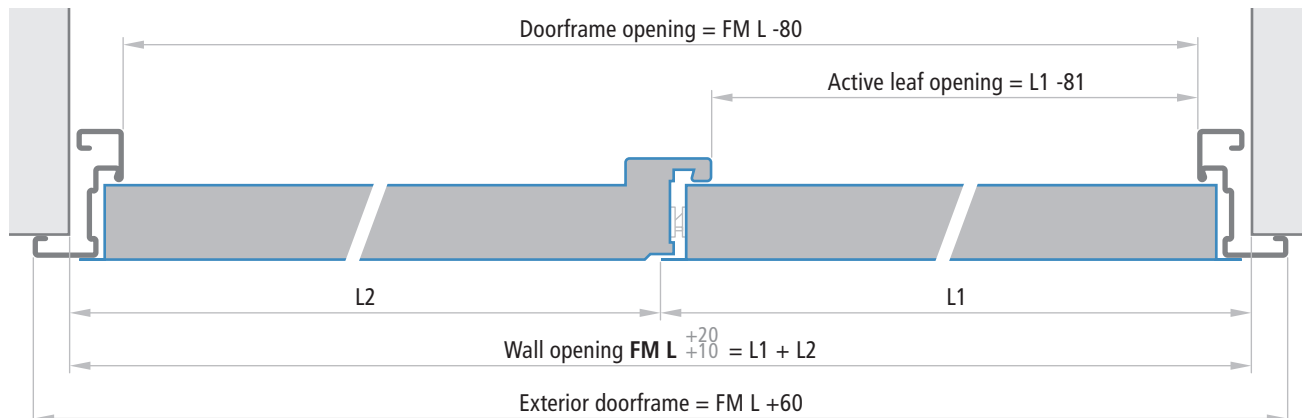
Doors without lower threshold

Vertical cross section



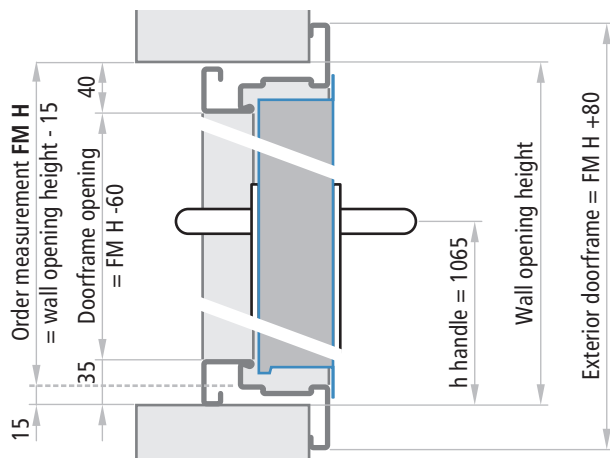
Two-leaved doors

Horizontal cross section



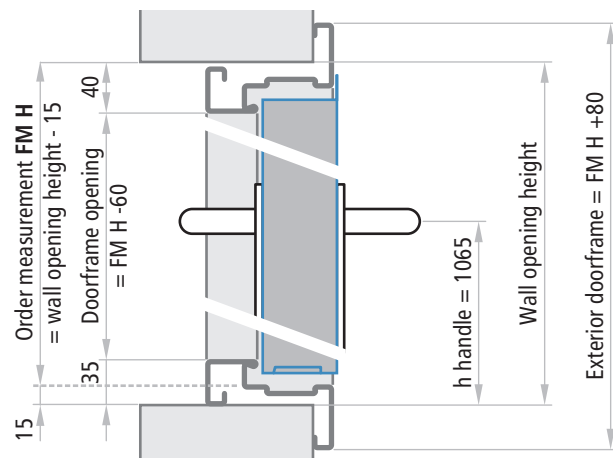
One-leaved doors with frame on 4 sides and leaf with lower rebate

Vertical cross section



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

Vertical cross section



Leaves thickness

MULTIPURPOSE 60 mm

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

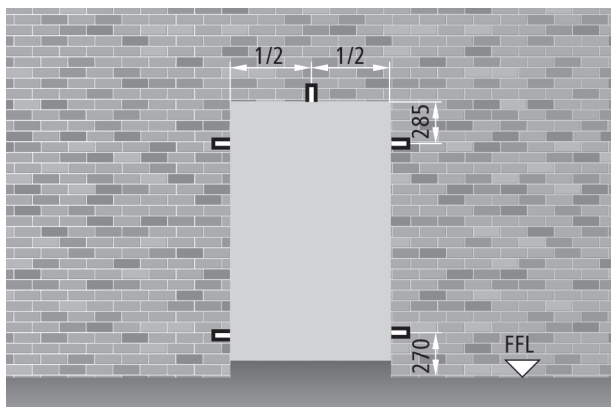
Standard installation method for Proget doors is with anchors for mortar fixing. Appropriate cuts for the anchors will need to be created in the walls (section 80 x 200 mm) or fixed with plugs. For fixing with screws the anchors should be used as spacers and fixed with expansion screws. For a perfect 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.



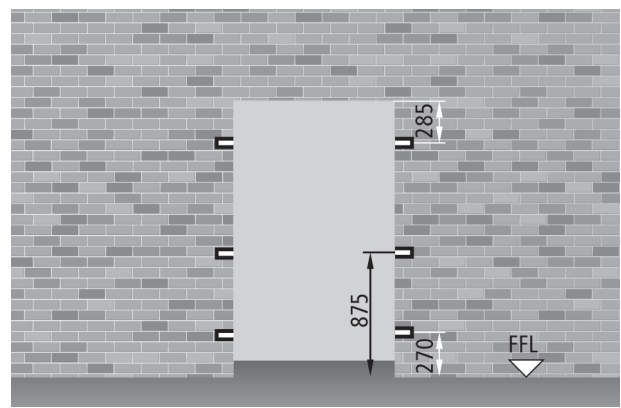
PROGET
multipurpose

One-leaved doors

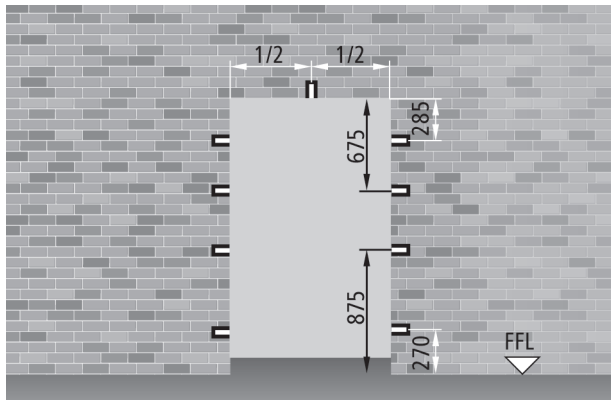
FM L = from 500 to 1340 x FM H = from 800 to 1749



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.

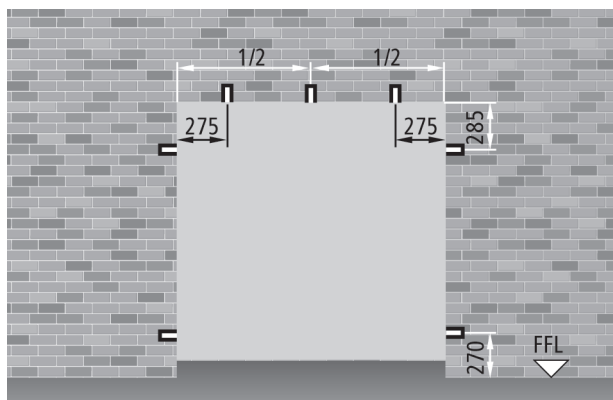
Installation methods

PROGET multipurpose doors

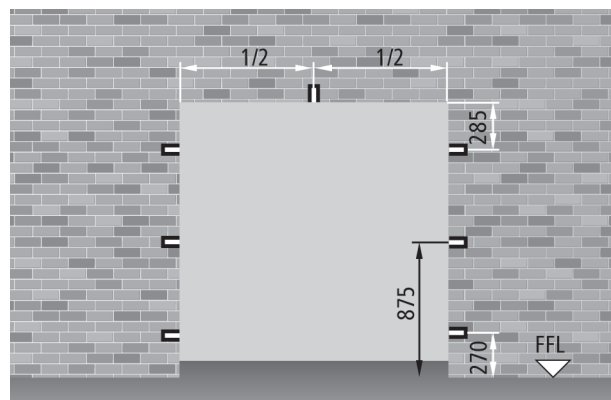
NINZ[®]
FIREDOORS

Two-leaved doors

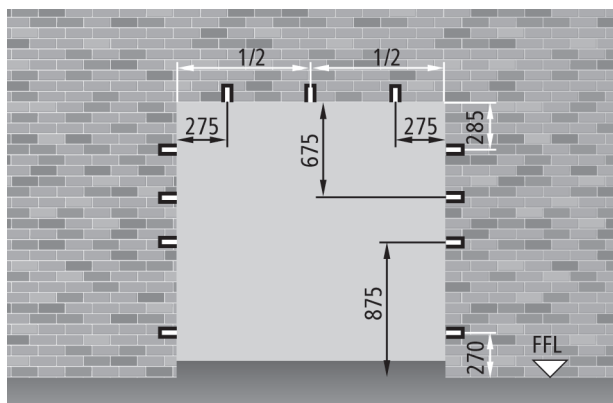
FM L = from 850 to 2660 x FM H = from 800 to 1749



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



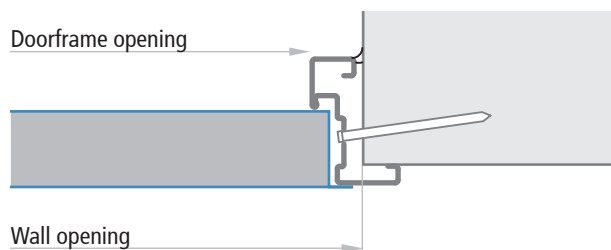
INSTALLATION FOR EXPANSION SCREWS FIXING

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 C€ marking.



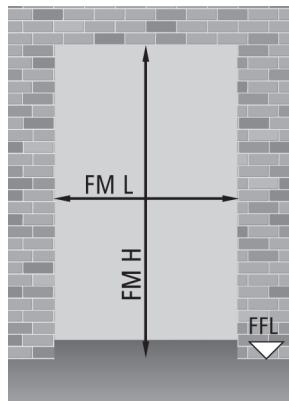
WALL SCREWS

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.

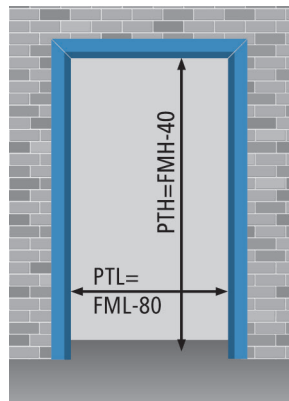


ORDER MEASUREMENTS

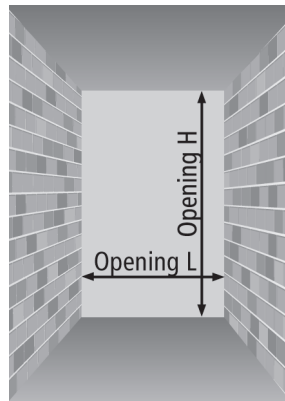
Wall Opening



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

semi-standard dimensions

from 500 to	995	x	2000 / 2050 / 2150	from 420 to	915	x	1960 / 2010 / 2110	from 420 to	1940 / 1990 / 2090
-------------	-----	---	--------------------	-------------	-----	---	--------------------	-------------	--------------------

non-standard dimensions

from 500 to	1340	x	from 1750 to 2670	from 420 to	1260	x	1710 / 2630	from 420 to	1690 / 2610
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Order measurements - Handle height

PROGET multipurpose doors



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

semi-standard dimensions

from 850 (500 + 350) to 2000 (1000 + 1000) x 2000 / 2050 / 2150	from 810 to 1920	x	1960 / 2010 / 2110
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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

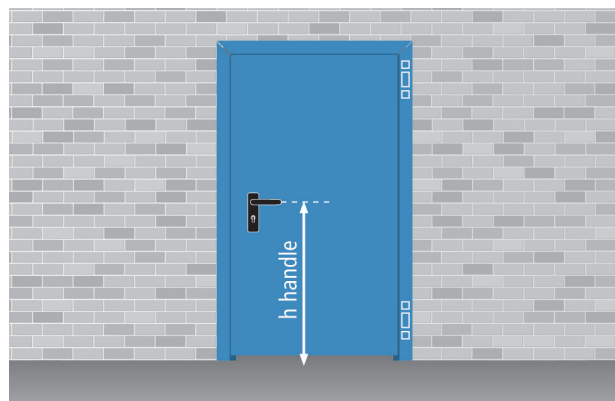
Doors leaves that are wider than they are tall are not permitted.

HANDLE HEIGHT

One-leaved door

$h = 1050$ (FM H ≥ 1750)

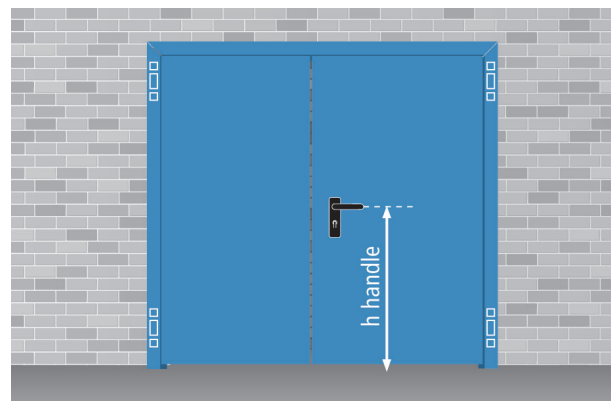
Different heights available upon request only



Two-leaved door

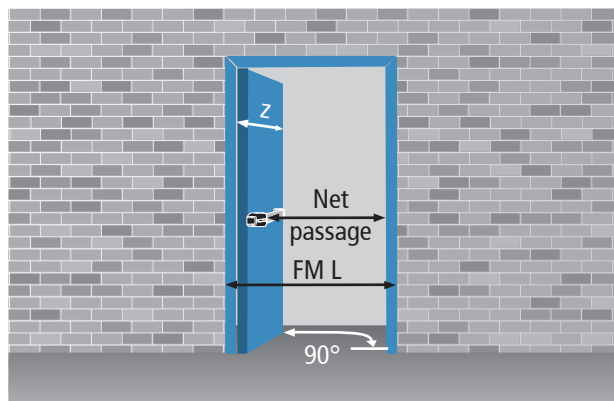
$h = 1050$ (FM H ≥ 1750)

Different heights available upon request only

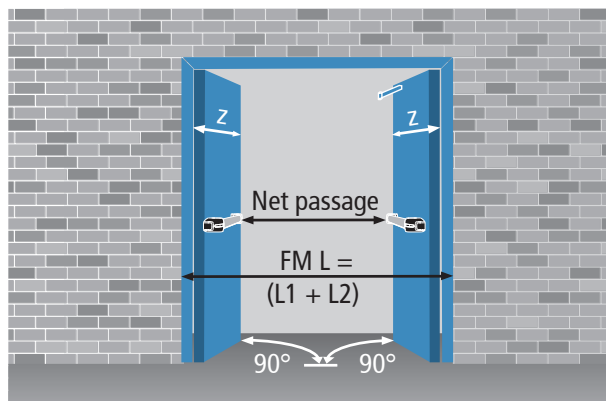


OPENING MEASUREMENTS AND OVERALL DIMENSIONS WITH 90 DEGREE OPENING

One-leaved doors with panic bar



Two-leaved doors with panic bars



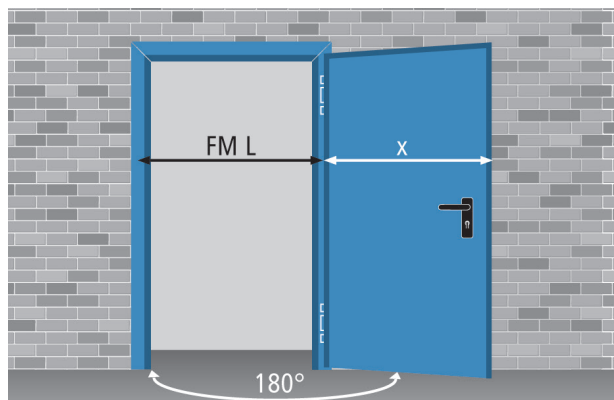
Net passage calculation

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

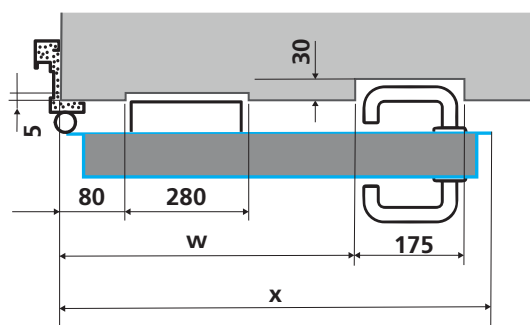
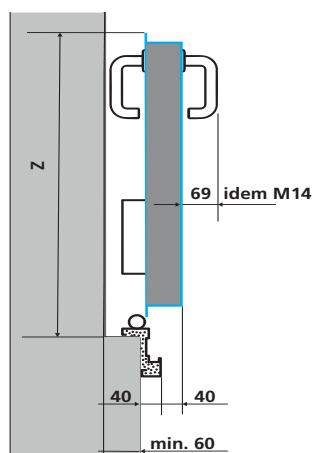
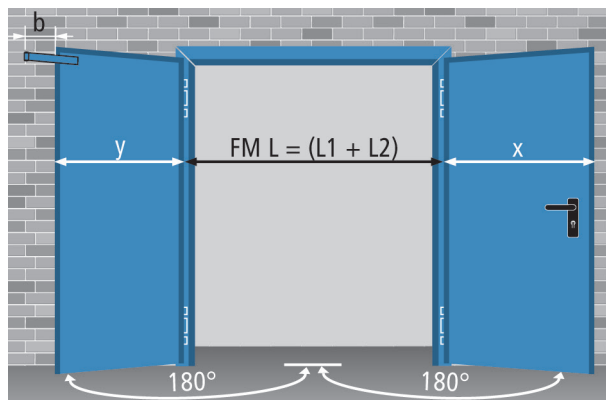
One-leaved door

$$x = FM L - 7$$



Two-leaved door

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



NINZ METAL DOORS OVERVIEW

Features	REVER	UNIVER	PROGET
versions	multipurpose only	multipurpose fire-rated 60/90/120 min	multipurpose fire-rated 60/90/120 min
filler	honey comb	rockwool	rockwool
reversible (left/right opening direction)	yes, fully reversible 4-sided frame	yes, fully reversible 4-sided frame	no, indicate opening direction 3-sided frame
frames/applications	angular with mortar or dry installation, Speed, Solid, Tescop frame extensions	angular (for fire-rated doors an insulation of the frame by mortar is mandatory), various frame extensions	angular with mortar or dry installation, embracing for plasterboard/lightweight walls, block with dry installation, various frame extensions
standard heights	2050, 2100 (only for 1-leaved doors), 2150 mm	2050, 2100 (only for 1-leaved doors), 2150 mm	2000, 2050, 2100, 2150, 2200 mm
hinges/leaf	2x 3-wings	1x 3-wings ball bearing 1x 3-wings with self-closing spring	1x 3-wings ball bearing 1x 3-wings with self-closing spring
delivery	single: fully assembled double: to be assembled	single: fully assembled double: to be assembled	to be assembled
weight/m²	15-14 kg/m ²	36-35 kg/m ² - 43-41 kg/m ²	37-35 kg/m ² - 42-40 kg/m ²

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 CE 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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