

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





UNIVER NINZ Doors

MULTIPURPOSE VERSION

FEATURES

54 - 57

SPECIFIC OPTIONAL ACCESSORIES

58

INSTALLATION METHODS

59

ADDITIONAL PERFORMANCES CE MARKED

60 - 61

ADDITIONAL PERFORMANCES

62

DOOR CROSS SECTIONS - MEASUREMENTS

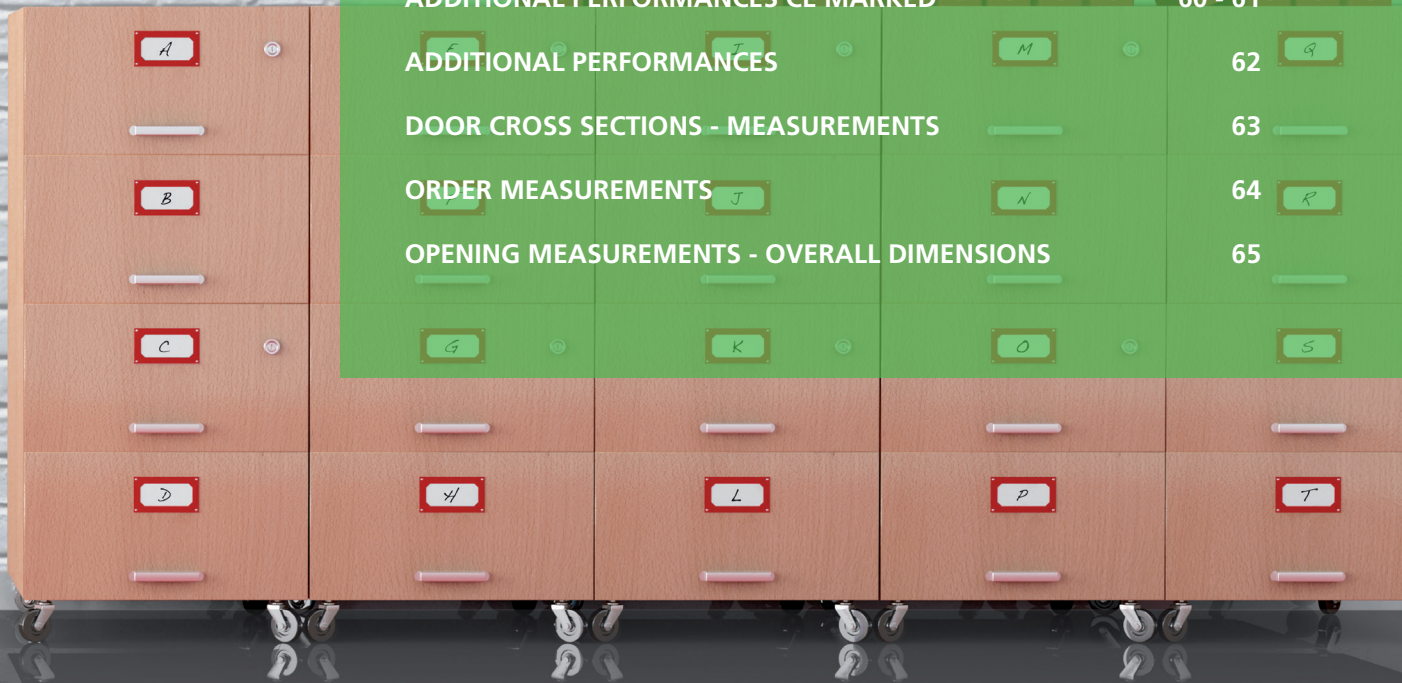
63

ORDER MEASUREMENTS

64

OPENING MEASUREMENTS - OVERALL DIMENSIONS

65



Features

UNIVER multipurpose doors

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”

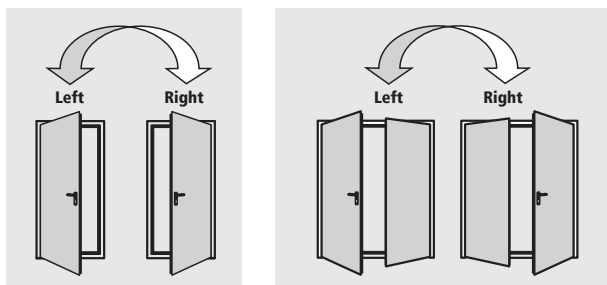
- Manufacturing in modern and functional facilities which employ the latest technologies to maintain high quality levels and product uniformity
- The entire production process - from raw materials to painted and packaged products - takes place inside Ninz’s own facilities, ensuring a 360 degree door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



One-leaved doors



Two-leaved doors



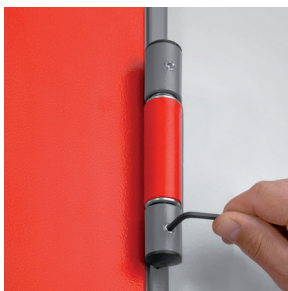
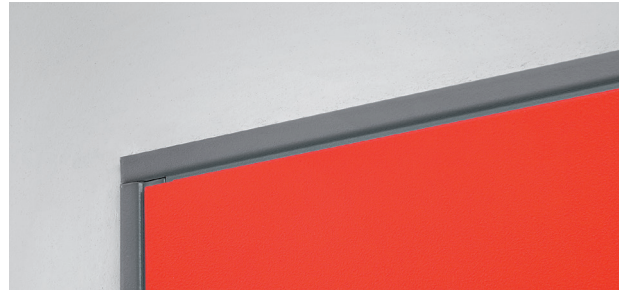
STANDARD ELEMENTS

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

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

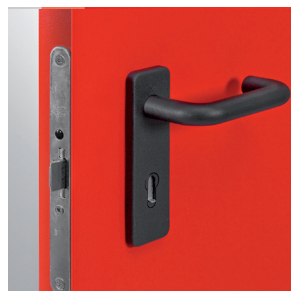
- Nr. 2 safety bolts on hinge side leaf edge

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



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

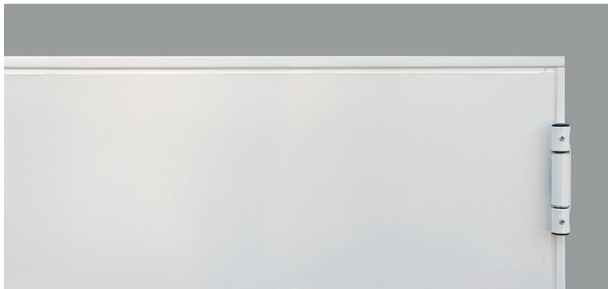
- Vertical rod with steel point which inserts into lower strike box
- Floor catch (floor-mounted bushing) in black plastic, for doors without threshold
- Floor catch in black plastic with steel roller, for doors with threshold

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

Door weight

kg/m² of wall opening

Door weight	kg/m ² of wall opening
1 leaf	25
2 leaves	35

NOTE

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

Features

UNIVER multipurpose doors

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
- 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
- Stainless steel handles
- Colored handles



NOTE

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

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

Packaging for maximum protection

Sturdy wooden crates protect all doors and related accessories

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

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

Specific optional accessories

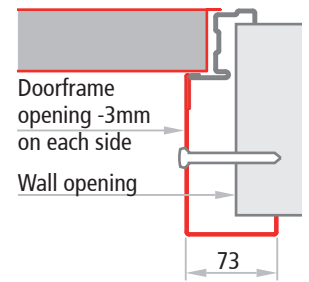
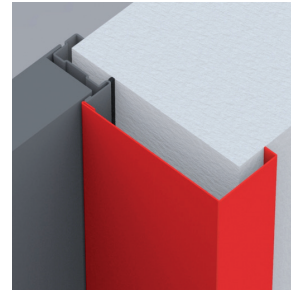
UNIVER multipurpose doors

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



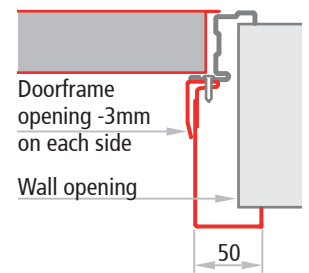
Frame extension IM 12

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

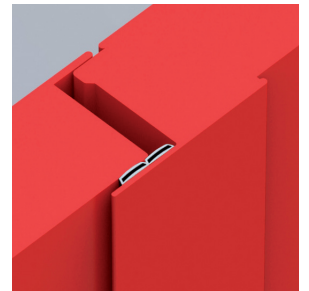
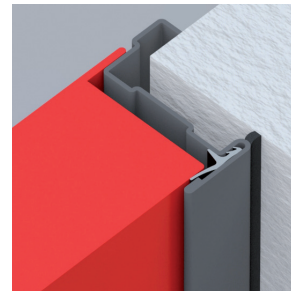


Frame extension IM 14

REBATE SEALING

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

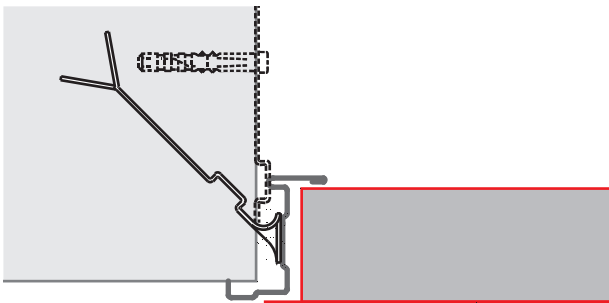
Rebate sealing in black extruded profile self-adhesive to cut for application to the central joint of two-leaved doors.



INSTALLATION WITH ANCHORS FOR MORTAR FIXING

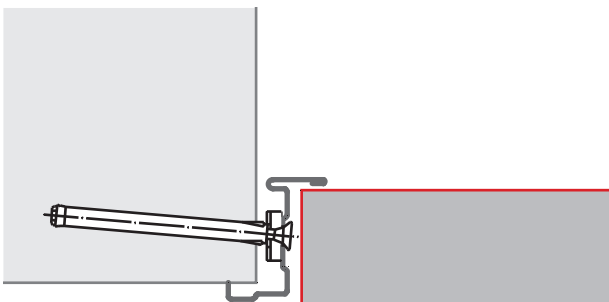


For mortar fixing, appropriate cuts will need to be created in the walls (section 80 x 200 mm) or the anchors should be fixed with expansion screws. The anchors should be bent and blocked inside the wall. For a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled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



INSTALLATION FOR EXPANSION SCREWS FIXING

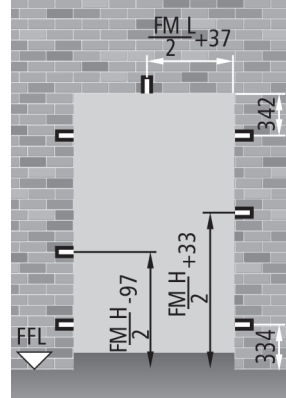
For the installation with expansion screws, the anchors serve as spacers and should not be bent. Using Würth type art. 0910436112 plugs or similar (supplied at the customer's expense), installation is done with expansion screws into the pre-drilled holes present on the frame. For a perfect mechanical 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.



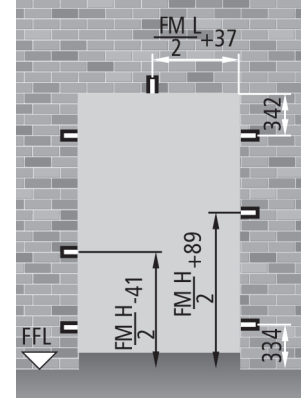
ANCHOR POSITIONING

One-leaved doors

Right opening

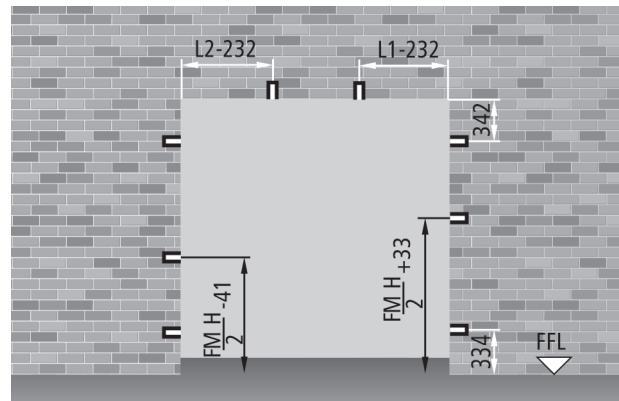


Left opening

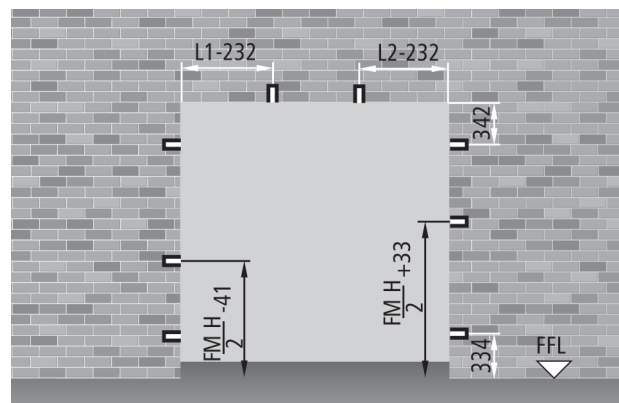


Two-leaved doors

Right opening



Left opening



Additional performances **CE** marked

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



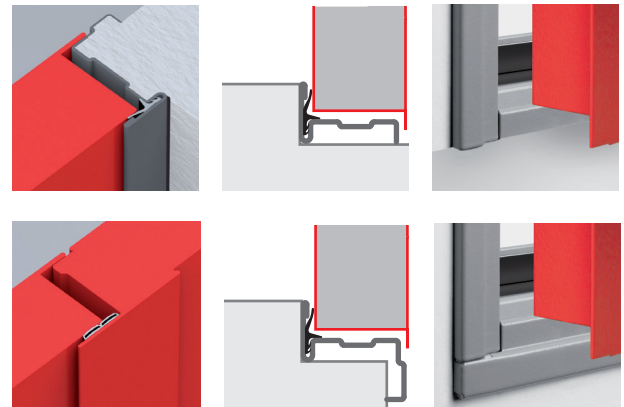
EXTERNAL PEDESTRIAN DOORS



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 doors Univer for external use order the relative Com-bos CE/Est listed in the Univer 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:

- installation of the lower threshold
- in case the door is installed onto an emergency exit route it is necessary to raise the finished floor on the push side of the door in such a way as to compensate entirely the difference of the floor level and the lower threshold
- isolation of the door frame with the filling of polyurethane foam or cement
- 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

NOTE

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

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

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 Certificate or CPR), this certificate applies to the construction product.

Porte esterne pedonali su vie di fuga
External pedestrian doorsets 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 della prestazione e le prestazioni descritte nell'allegato ZA della norma:
This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA 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 ritratto 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 I. This Certificate is valid only with the relative Annex



ICIM S.p.A.
Direttore Tecnico

EMMISSIONE / ISSUE
25/05/2017

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

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



	FM L x H dimensions	air permeability	thermal transmittance	water-tightness	resistance to windload
without window 	≤ 3,6 m ²	class 2	1,57 W/m ² K	class 2A	
	500 - 900 x 1780 - 2150				class C2
without windows 	≤ 3,6 m ²	class 3	2,02 W/m ² K	class 3A, 9B	
	> 3,6 m ²	class 3	1,63 W/m ² K	class 3A, 9B	
	900 - 2000 x 1780 - 2150				class C2

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



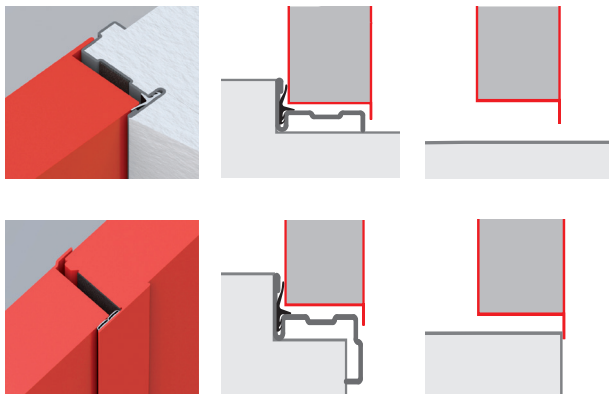
Pedestrian interior doors are not yet subject to CE marking as the relevant standard EN 14351-2 has not yet been harmonized. The performances listed in the standard can however be used as a reference for classifying the door for indoor uses, such as:

- 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
 - 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

INTERNAL PEDESTRIAN DOORS



TYPE	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	
		air permeability according to UNI EN 1026:2001	thermal transmittance according to UNI EN 10077-1:2018 UNI EN 10077-2:2018	air permeability according to UNI EN 1026:2001	thermal transmittance according to UNI EN 10077-1:2018 UNI EN 10077-2:2018
without window 	$\leq 3,6 m^2$	classe 2	1,6 W/m ² K	-	1,6 W/m ² K
without window 	$\leq 3,6 m^2$	classe 3	2,0 W/m ² K	-	2,0 W/m ² K
	$> 3,6 m^2$	classe 3	1,6 W/m ² K	-	1,6 W/m ² K

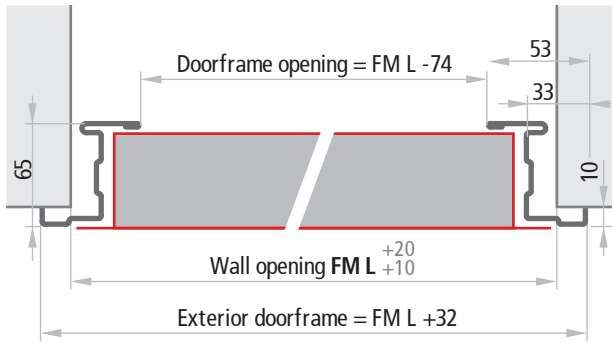
Door cross sections - Measurements

UNIVER multipurpose doors

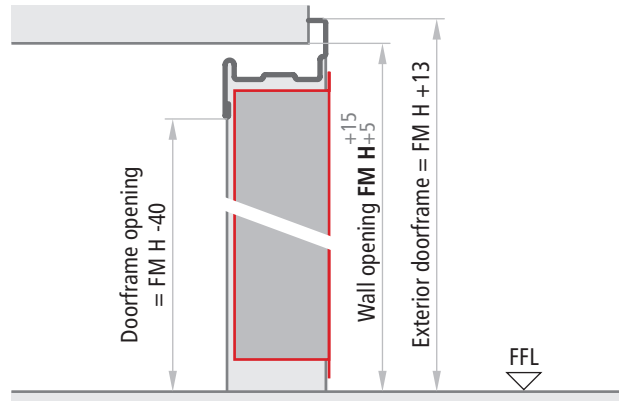


UNIVER multipurpose

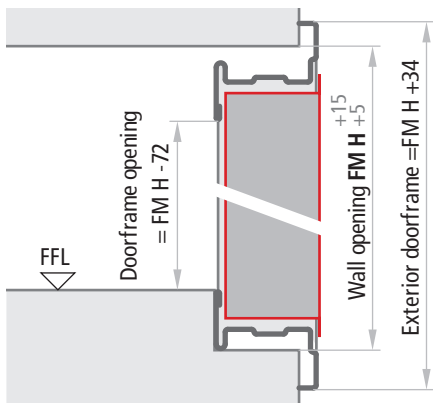
One-leaved doors Horizontal cross section



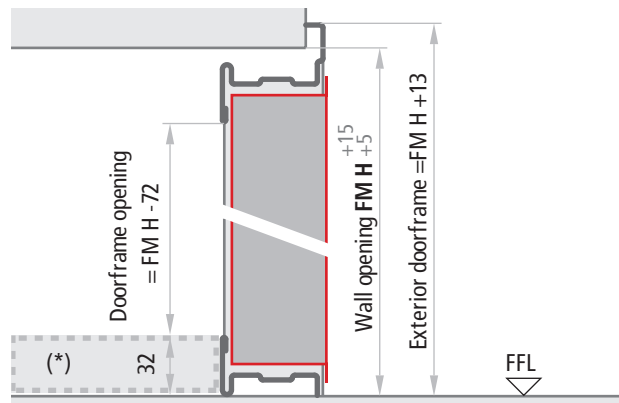
Doors without lower threshold Vertical cross section



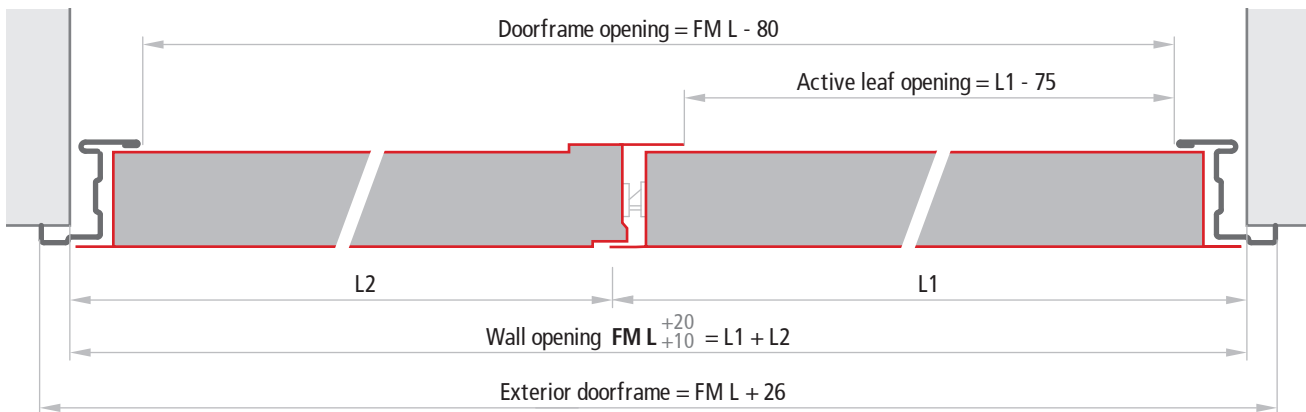
Doors with internal and external lower threshold Vertical cross section



Doors with internal lower threshold Vertical cross section



Two-leaved doors Horizontal cross section



Leaves thickness

MULTIPURPOSE	60 mm
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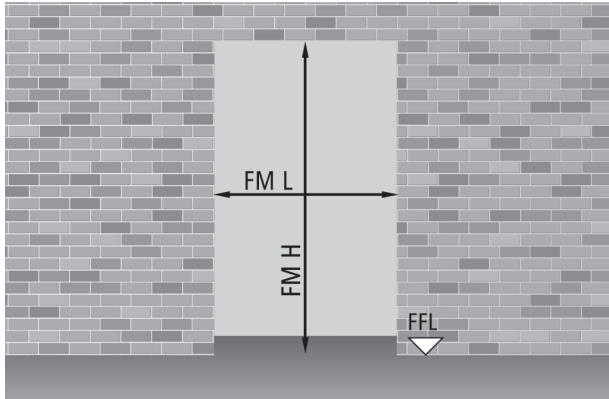
NOTE

The tolerances $FM L +20$, $FM H +5$ 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.

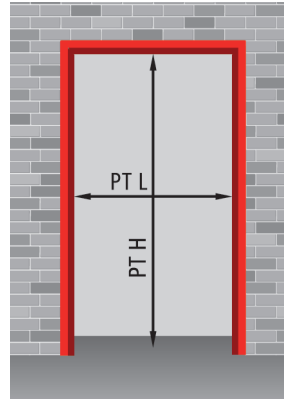
*) Shimming to be done, mandatory in case of installation onto emergency exit routes.

ORDER MEASUREMENTS

Wall opening



Doorframe opening



One-leaved doors

$$PT L = FM L - 74$$

$$PT H = FM H - 40$$

Two-leaved doors

$$PT L = FM L - 80$$

$$PT H = FM H - 40$$

One-leaved door FM L x FM H

standard dimensions

800	x	2050 / 2150
900	x	2050 / 2100 / 2150
1000	x	2050 / 2100 / 2150

PT L x PT H

doorframe opening

726	x	2010 / 2110
826	x	2010 / 2110
926	x	2010 / 2110

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

standard dimensions

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

PT L x PT H

doorframe opening

1220	x	2010 / 2110
1320	x	2010 / 2110
1520	x	2010 / 2110
1720	x	2010 / 2110
1920	x	2010 / 2110

NOTE

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

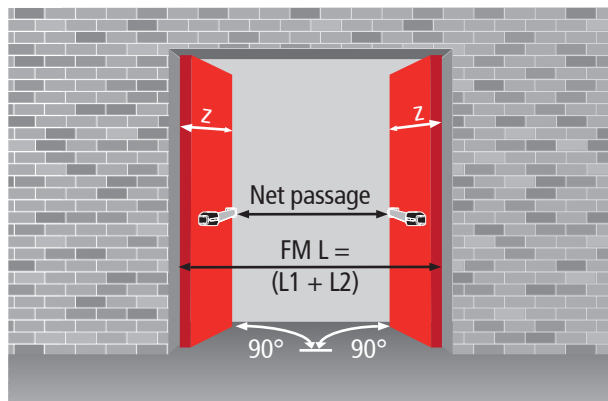
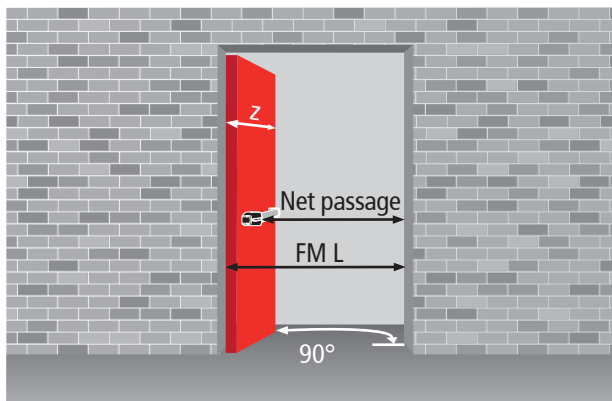
Opening measurements - Overall dimensions

UNIVER multipurpose doors



UNIVER multipurpose

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
whitout 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 handle = FMH/2 + 50

Two-leaved door

z = L1 + 35 x = L1 + 5
z = L2 + 64 y = L2 + 35
h handle = FMH/2 + 50

