

NINZ®

F I R E D O O R S

UNIVER Fire doors

"state of the art in fire protection technology"



WHAT MAKES THEM SPECIAL?

“Quality first”

- 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

“Practicality of use”

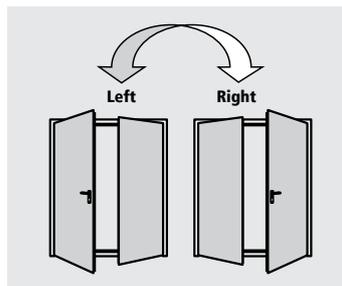
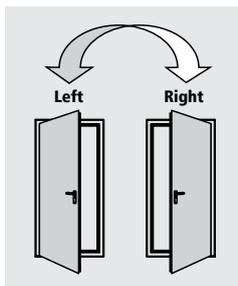
- Door reversibility*
- Indication of door opening direction not necessary
- Reduction of stock for retailers
- Simplifies choices for end-customers
- Multiple installation methods for each door
- Type approvals for anchors for mortar fixing or expansion screws

“Conformity to standards”

- In-house Ninz R&D with specialized testing equipment
- Fire testing in accordance with UNI 9723 and EN 1634-1
- Mechanical testing for the **CE** marking of accessories
- **CE**-marked door accessories studied and sized to meet standard European requirements
- Careful selection of materials and manufacturing methods
- Strict product testing for conformity to declared technical standards
- Absolute functional certainty over time
- Doors “type approved” in compliance with M.D. 21 June 2004
- Products delivered with the documentation required by current regulations

“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 available in the following classes:

EW 60 EI₂30 EI₂60 - Sm - C5 EI₂90 RE 90 REI 60 - 120



Two-leaved doors available in the following classes:

EI₂60 - Sm - C5 EI₂90 RE 90 REI 60 REI 120



*except in combination with certain optional accessories

STANDARD ELEMENTS

which comprise Univer fire doors:

Door leaf

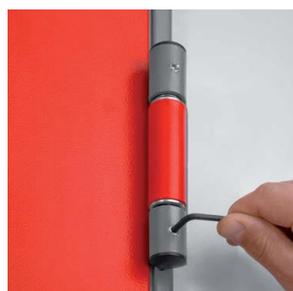
- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded and electro welded
- Perimetral rebate on 4 sides
- Internally reinforced with hot-galvanized steel profiles
- Heat-insulated with treated mineral wool
- Internal stiffeners for overhead door closer and panic bar
- 50 or 60 mm thickness, depending on fire rating

Doorframe

- Made of "Sendzimir" processed hot-galvanized sheet metal
- Grooves for thermo expansive sealing and 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 doors with environmental characteristics)
- Strike plates in black plastic for lock bolt and safety bolts
- Assembled doorframes for one-leaved doors
- Assembly required for two-leaved doorframes

Thermo expansive sealing

- Mounted on vertical doorframe profiles and central vertical profiles on two-leaved doors
- For on-site mounting on the doorframe's upper cross-beam
- Mounted above and below the EI₂90 and REI 120 leaves



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. 2 safety bolts on hinge side leaf edge

Locking mechanism

- Reversible locking mechanism with bolt and central lock
- **CE** marked in conformity with EN 12209 standard
- Insert with patent key, Euro profile cylinder ready

Handle

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

INCLUDED ACCESSORIES

which are part of the Univer fire doors:

Closing regulator

- Two-leaved doors include an RC/STD closing regulator to ensure the correct closing sequence of the leaves
- CE marking in conformity with EN 1158 standard

Locking mechanism for inactive leaf

- "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 floor catch) made of self-extinguishing black plastic, for doors without threshold
- Floor catch in black plastic with a steel roller, for doors with threshold

Identification plate

- Metal tag with door identification data, in accordance with current regulations



Standard paint - group 01:

leaf color NCS 4020-B50G

frame color NCS 5020-B50G



Finishing

- Standard painted with epoxy-polyester thermoset powders in a 180 degrees oven, orange skin, anti-scratch finishing
- Standard pastel turquoise color, lighter tone for the leaf (NCS4020-B50G), darker tone for the frame (NCS5020-B50G)

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

class	kg/m ² of wall opening	
	1 leaf	2 leaves
EW 60	23	-
EI,30	34	-
EI,60	36	35
RE 90, REI 60	34	33
EI,90, REI 120	43	41

NOTE

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