



Fixed Glazings in aluminium

**"elegant luminosity
that knows no boundaries"**



Features

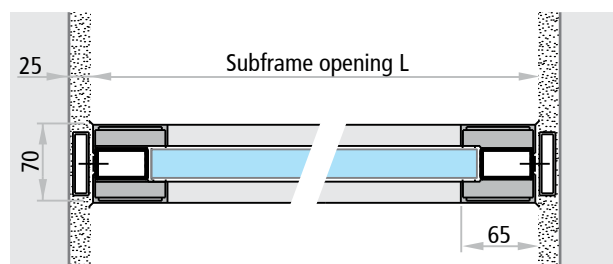
Aluminum fixed glazings

EI 60 WITH BLOCK FRAME

- EI 60 fixed glazing with fire resistant casing, manufactured with special steel/aluminum profiles.
- Eventual cross sections dividing the various glazing panes positioned according to production criteria unless specific customer requirements have been given.
- Fire resistant glass is supplied un-mounted and consists of extra-clear float panels with thermo-expansive fire proof material interposed for a total thickness of approx. 23mm.
- Special finishing with thermoset powders, colors to select from our wide variety (see "painting" page).
- Subframe to be ordered separately, made of hollow galvanized steel profiles with anchors for mortar fixing.
- EI 60 fire-rated fixed glazings according to EN 1364-1:2002 standard.

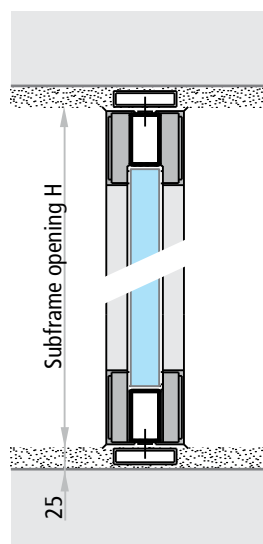
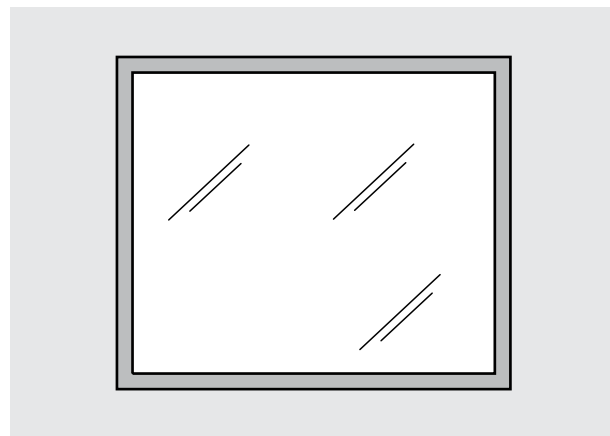
Data table

	EI 60
casing thickness	70 mm
glass door weight	75 kg/m ²
approx. glass thickness	23 mm
maximum dimensions L x H	1400 x 2000
maximum dimensions recommended for each glazed pane	approx. 2 m ²



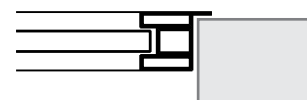
NOTE

Any joint which might be required to reduce the size requirements for transport and on-site maneuvering shall be invoiced as separate items.



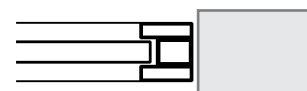
Application (1)

Mounting on external rebate



Application (2)

Mounting onto block frame



Application (3)

Mounting on internal rebate



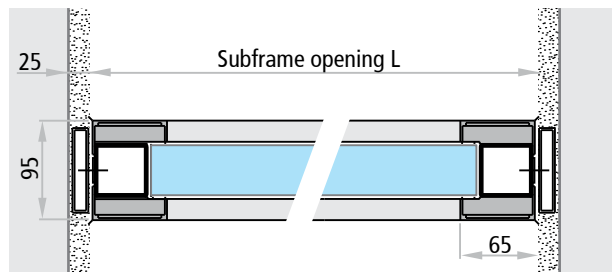
Features

Aluminum fixed glazings

EI 90 OR EI 120 WITH BLOCK FRAME

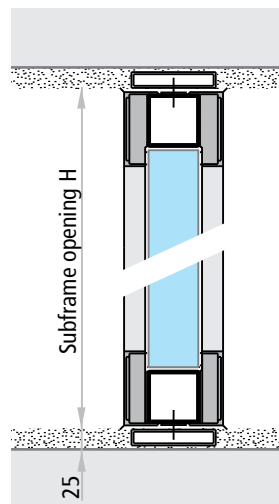
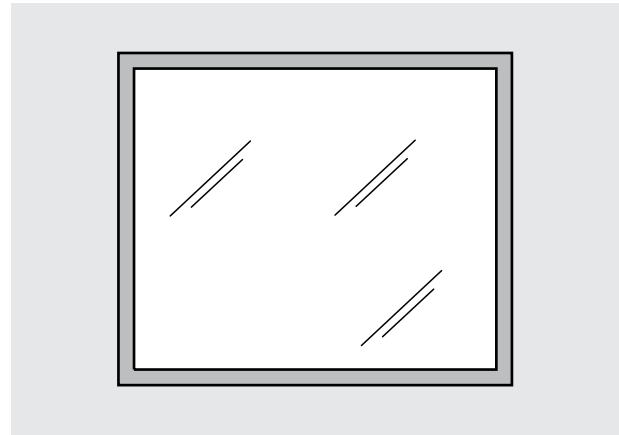
- EI 90 or EI 120 fire rated glass casing made of special hollow steel/aluminum profiles.
- Eventual cross sections dividing the various glazing panes positioned according to production criteria unless specific customer requirements have been given.
- Fire resistant glass is supplied un-mounted and consists of extra-clear float panels with thermo-expansive fire proof material interposed for a total thickness of approx. 48mm for EI 90 and approx. 52mm for EI 120.
- Special finishing with thermoset powders, colors to select from our wide variety (see "painting" page).
- Subframe to be ordered separately, made of hollow galvanized steel profiles with anchors for mortar fixing.
- EI 90 fixed glazings are NON-CERTIFIED EXECUTION. Goods come with the glazing producer's **CE** certificate only, with no declaration of conformity or identification plate.
- EI 120 fire-rated fixed glazings according to EN 1364-1:2002 standard.

Data table	EI 90	EI 120
casing thickness	95 mm	95 mm
glass door weight	125 kg/m ²	135 kg/m ²
approx. glass thickness	48 mm	52 mm
maximum dimensions L x H	1400 x 2000	1400 x 2000
maximum dimensions recommended for each glazed pane	approx. 1,2 m ²	approx. 1,2 m ²

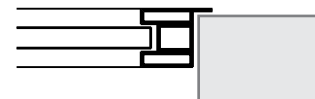


NOTE

Any joint which might required to reduce the size requirements for transport and on-site maneuvering shall be invoiced as separate items.



Application (1)
Mounting on external rebate



Application (2)
Mounting onto block frame



Application (3)
Mounting on internal rebate





PAINTING FOR STEEL/ALUMINUM GLAZED DOORS

The glazed aluminum doors come with special finishing in thermoset powder paints. The colors reported in the table (side) are always available. Other colours are available on request only.

ATTENTION

The paint deteriorates upon exposure to direct sunlight or atmospheric agents.

Colors always available:

RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL
1013	3000	5010	6005	7016	7035	8017	9005

RAL	RAL	NCS	NCS
9006	9010	4020-B50G	5020-B50G

Anodized colors:

silver	light bronze	dark brown	black

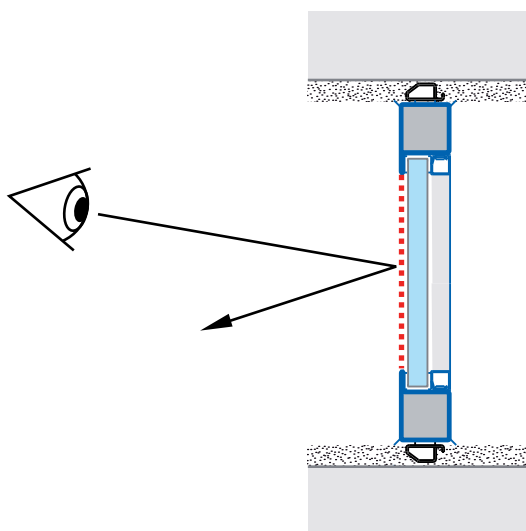
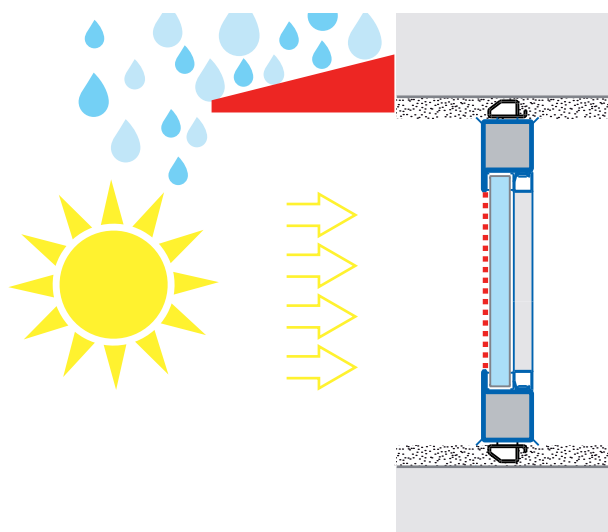
Wood pattern:

of choice from the Decoral range

TREATMENTS FOR EXTERIOR USE

When glazed doors are used in locations exposed to direct UV rays from sunlight or internal lighting, special glass protection and coloration/paint is available to adapt to this environment. The side of the glass that requires special treatment will need to be specified (the glazing bead side or the opposite side). If left unspecified, the special treatment will be applied to the side opposite to the glazing bead (hinged side). A sticker will be applied to indicate the protected side for purposes of assembly and installation.

Glazed doors for external environments should always be protected from water.



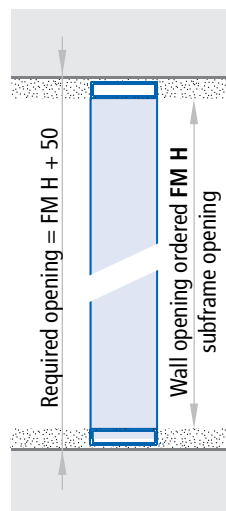
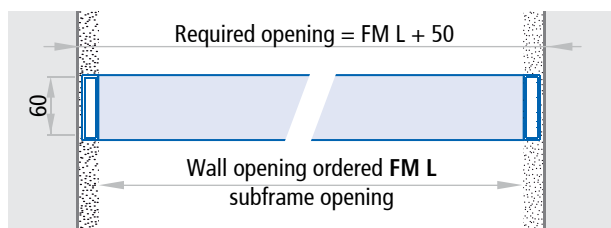
FILM

To reduce or prevent external visibility while maintaining optimal internal visibility, all fire-rated glasses may be equipped with opacifying or covering films (black or white) that have been designed for the purpose. The side of the glass that requires special treatment will need to be specified (the glazing bead side or the opposite side). If left unspecified, the film will be applied to the opposite side of the glazing bead (non-hinged side).

FOUR-SIDED SUBFRAME

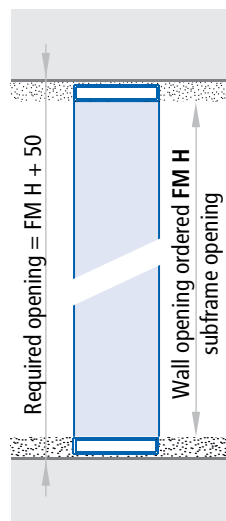
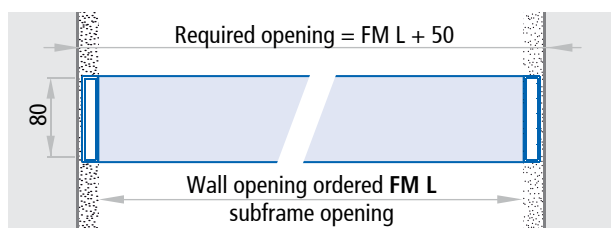
EI 60 in steel or in steel/aluminum

Subframe for EI 60 steel or EI 60 steel/aluminum fixed glazings with block frame. Made of hollow galvanized steel profiles with a 60 x 20 x 2 mm rectangular section. Includes spacers that can be disassembled and anchors for mortar fixing.



EI 90 or EI 120 in steel/aluminum

Subframe for EI 90 and EI 120 steel/aluminum fixed glazings with block frame. Made of hollow galvanized steel profiles with a 80 x 20 x 2 mm rectangular section. Includes spacers that can be disassembled and anchors for mortar fixing.



NOTE

The subframe optional accessory must ordered separately.

ATTENTION

The order measurements for the subframe are equal to its internal measurements, which correspond to the order measurements (FM) for the fixed glazings.

ATTENTION

For special instructions and recommendations for glazed fire-rated products, see the "Notices" section on the last page of the present brochure.

Handling, storage and use

Glazed doors and windows are to be used for internal compartmentation and should be installed in areas which are protected from direct sunlight, other heat sources and atmospheric agents.

Fire rated glass is sensitive to temperature, to water (also humidity) and to UV rays of solar radiation or particular forms of internal lighting.

For this reason it is fundamental for the order form to indicate when fire rated glass is required for EXTERNAL USE (exposure to the UV rays of solar radiation) or for use in the presence of UV-generating lamps.

Fire rated glass must be kept at any time (storage, handling, transport, provisional builder's yard, installation, use conditions after installation) dry and never exposed to temperatures below -40 °C or above +50 °C. This also applies to any direct exposure to sources of heat or strong light sources which could cause an increase of temperature above +50 °C.

Concentrated pressure on one spot only of the fire rated glass is not advisable.

Fire rated glazed panes need to be stored in a vertical position (maximum deviation of 6° from vertical) fully supported on solid surfaces that prevent slipping. The support side of pane must be evenly distributed and in contact over the entire length of the support surface.

Panes must be kept separated by soft spacers, for example cork.

Appropriate handling equipment and procedures considering the weight of fire rated glazings must be used and followed in every situation.

Fire rated panes must always be kept protected against exposure to direct sunlight or weather.

Installation

The fire rated panes are provided with a special protective tape for the edges. This protective tape is an integral part of the product supplied; it must never be removed or tampered with, either temporarily or permanently. The perimetral sealing of silicone must always cover the protective tape on the edges once the glazing is installed.

The panes never shall be placed into their frames without the glazing beads and silicone sealing in position. The frames must be completely dry.

Maintenance and cleaning

It is the user's duty to ensure that the sealing is preserved in good and dry conditions. The standard cleaning procedures and products intended for windows must be used for fire rated panes.



Ninz S.p.A. | Corso Trento 2/A | I-38061 Ala (TN)
Tel. +39 0464 678 300 | Fax +39 0464 679 025
info@ninz.it | www.ninz.it