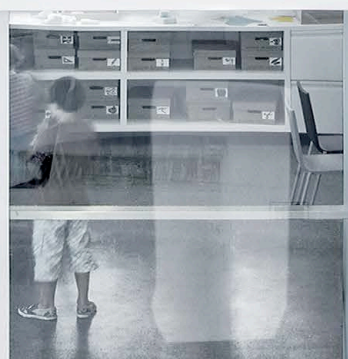




Fixed Glazings in steel

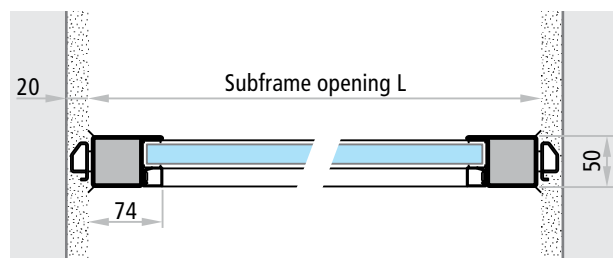
**"simplicity
leads to savings"**



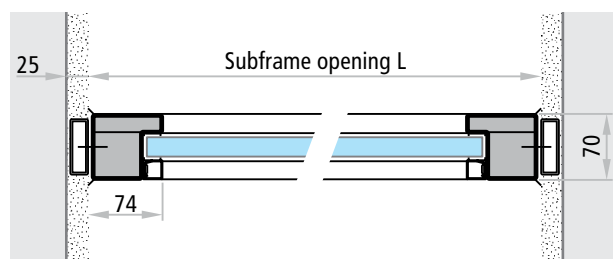
EI 30 OR EI 60 WITH BLOCK FRAME

- Frame with a weight-bearing cold-formed hollow steel profile frame of 15/10 mm thickness, internally insulated with asbestos-free inorganic silicate material.
- Eventual cross sections dividing the various glazed panes positioned according to production criteria unless specific customer requirements have been given.
- Fire resistant glazing is supplied un-mounted, and consists of extra-clear float panels with thermo-expansive fire-proof material interposed.
- Special finishing with thermoset powders, color chosen from our wide variety (see "painting" page).
- Subframe to be ordered separately, made of hollow galvanized steel profiles with anchors for mortar fixing.
- EI 30 (50 mm thickness) and EI 60 (70 mm thickness) fire-rated fixed glazings according to EN 1364-1:2002 standard.
- EI 60 type (50 mm thickness) fire-rated fixed glazing is a NON-CERTIFIED EXECUTION. Goods come with the glazing producer's **CE** certificate only, with no declaration of conformity or identification plate.

Data table	EI 30	EI 60 type NON-CERTIFIED	EI 60
casing thickness	50 mm	50 mm	70 mm
glass door weight	40 kg/m ²	55 kg/m ²	78 kg/m ²
approx. glass thickness	15 mm	23 mm	23 mm
maximum dimensions L x H	1400 x 2000	1400 x 2000	1400 x 2000
maximum dimensions recommended for each glazed pane	approx. 2 m ²	approx. 2 m ²	approx. 2 m ²



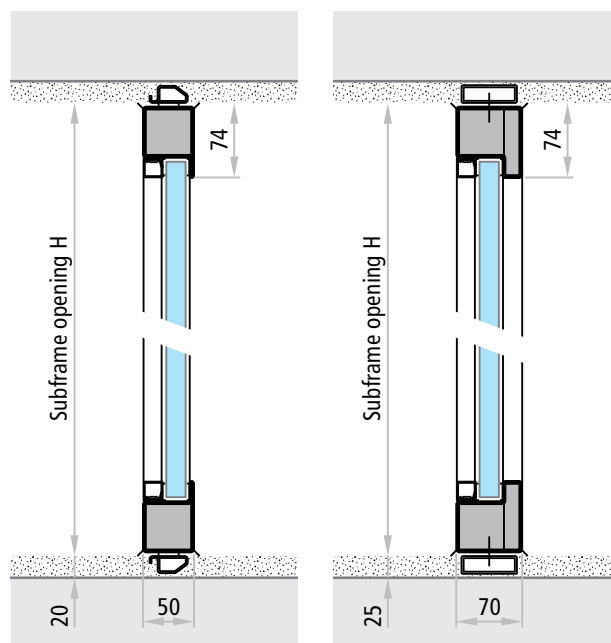
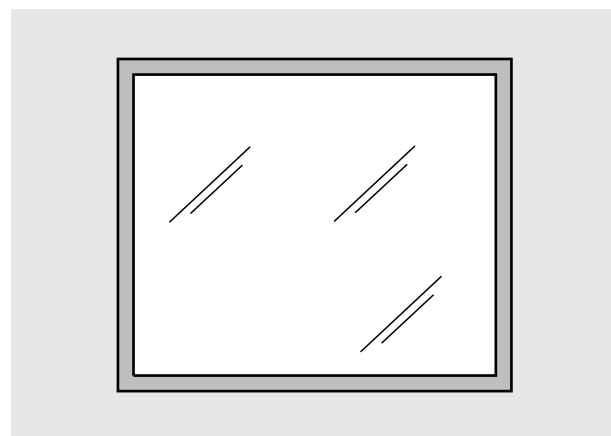
EI 30 - EI 60 type



EI 60

NOTE

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

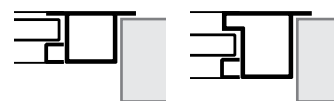


EI 30 - EI 60 type

EI 60

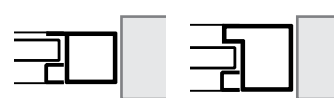
Application (1)

Mounting on external rebate (opposite side to the glazing bead)



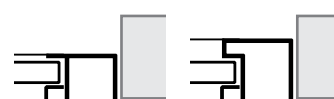
Application (2)

Mounting onto block frame



Application (3)

Mounting on internal rebate (glazing bead side)



50mm thickness











70mm thickness



PAINTING FOR STEEL GLAZED DOORS

The glazed steel doors come with special finishing in ther-moset 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 1013	RAL 3000	RAL 5010	RAL 6005	RAL 7016	RAL 7035	RAL 8017	RAL 9005
							
		NCS 4020- B50G	NCS 5020- B50G				
RAL 9006	RAL 9010						
							

Special treatments

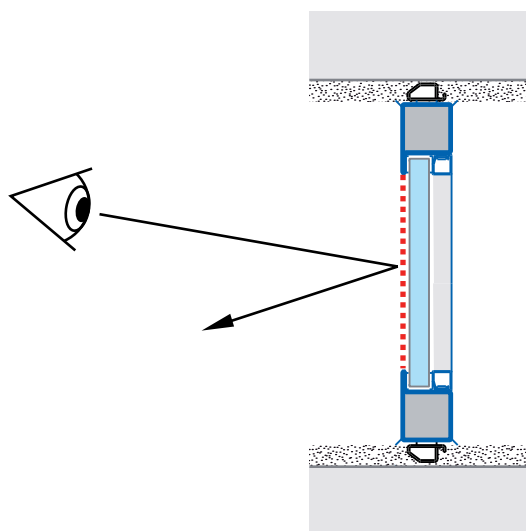
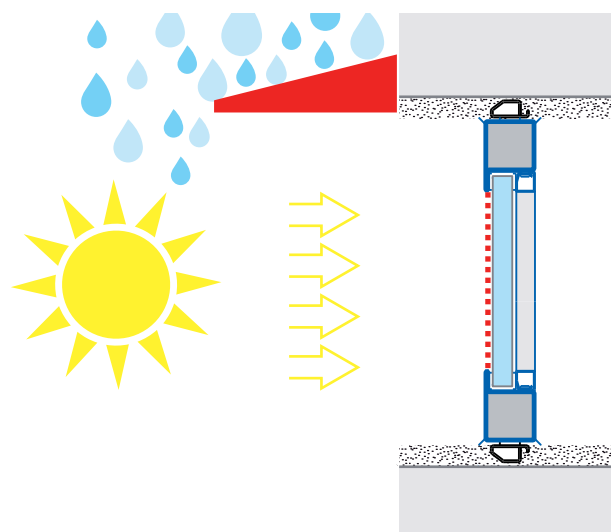
For fire rated glazed doors

NINZ[®]
FIREDOORS

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.



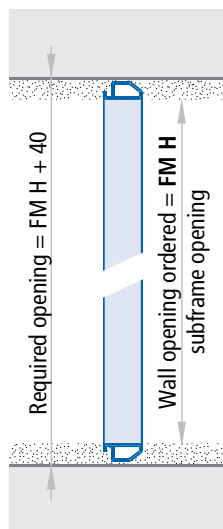
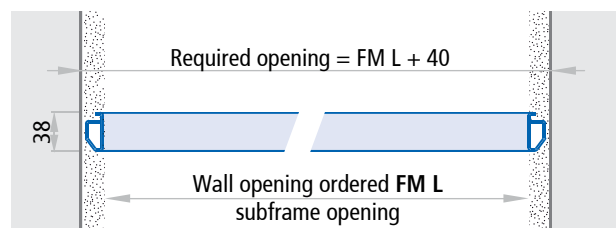
FILM

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

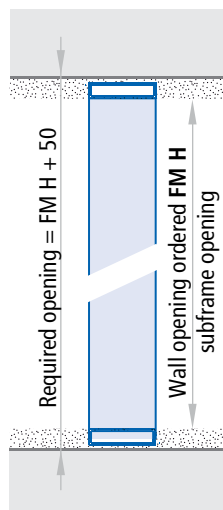
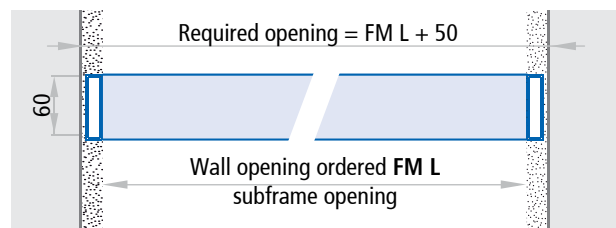
EI 30 or EI 60 type in steel

Subframe ready for assembly for EI 30 and EI 60 type steel fixed glazings with block frame. Made of hollow galvanized steel profiles with a 38 x 17 x 2 mm shaped section. Includes spacers that can be disassembled and anchors for mortar fixing.



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.



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 must never 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.



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