

Art that
FIGHTS
fire

Technical Description
SD - EI₂ 120

meverin[®]
F I R E D O O R S

EN FF € EI₂ 120
SLIDING DOOR
1-2 LEAVES

with or without WICKET DOOR



TECHNICAL FEATURES

Top-hung running track

NEW: multifunctional structural horizontal top-hung running track (patented), made in continuous mode in high-strength steel profile, shiny zinc-plated, with built-in safety and anti-slip rack.

The top-hung running track, made to measure, is prepared and pre-drilled for fastening to the support element by means of dowels (dowels not included).

Where the dimensions require a segmentation of the running track, it is supplied with push-fit joints.

Front cover of the running track through a RAL 7035 pre-painted sheet metal casing included for sliding doors with HN (Net Height) up to 2700 mm (over 2700 optional and on request).

Floor guide (consisting in a combination/set of bearings) positioned on the floor beyond the wall aperture, always supplied.

NEW: Stone Track ground contrast system (patented) designed for fire performance in the large dimensions.

Advanced and alternative system to be preferred to the linear guide on the ground.

Linear ground guide included, expected over LN (Net wall aperture) 4900 mm. It is advisable to prefer the Stone Track system to this solution.

Hanging system - CARRIER

NEW: FIRE AND SMOKE BARRIER suspension and overhead sliding system (patented) consisting of a continuous steel profile element with vectorial load with integral, balanced, flex-oscillating and millimeter-accuracy carriers for uniform load distribution.

For each modular panel there are carriers equipped with double running track.

Leaf

Made with cut-to-measure modular panels assembled through coplanar male/female push-fit joints (patented) and fixed on both sides by visible screws (the screws are included in the supply).

NEW: upper reinforcing structure for the leaf connected to the carrier and lower reinforcing structure in profiled metal sheet.

Suitably shaped coating metal sheet on the two external faces with programmed deformability.

NEW: MEV FIRUX[®] (patented) continuous internal insulating pack, resistant to high temperatures, available even in large dimensions.

Dynamic overlapping and overall dimensions depending on the size of the sliding door, in compliance with the standard.

Guided and facilitated assembly sequence thanks to the complete preparation of all the details (thoroughly vetted at the factory) and the numerical progression shown on the panels and on the lower reinforcing structure with the absolute advantage of a successful installation and reduced installation times.

Handles

Recessed on both sides of each leaf, positioned so as to retract according to dynamic overlapping.

Smoke labyrinth seals

In press-folded and pre-drilled sheet steel for fixing by means of pre-set screws. The wall side labyrinth seals are completed with an insulating sheet and finished with FIRUX[®] intumescent fire seals.

FIRUX[®] type intumescent fire seal

Placed on all labyrinth seals and between panels.

Cold Smoke Gaskets Sa (optional)

NEW: Cold Smoke Gaskets Sa placed on the perimeter of the fixed and mobile profiles (provided on the male-female joint in the case of two leaves; applied on the perimeter of the frame in the case of a pedestrian door).

NEW: The possibility of installing the KIT Sa, as an integration, even at a later time is foreseen.

Accident prevention safety systems

NEW: hydraulic device (patented) for speed control VTK (Viscotroller[®] Kalipè[®]) – at a slow and short pace – which acts in synergy with the top-hung running track by coupling with the rack, therefore guaranteeing full safety when

closing the door leaf with a soft and delicate closure. Life-saving device, innovative, absolute and new generation.

NEW: SAM K, soft close damper, cushions and accompanies the door during the final stage of closing.

Operation (door hold-open retainer)

Standard with electromagnet as per DoP declaration.

Counterbalance weights

Closure with counterbalance weight protected by a RAL 7035 pre-painted sheet metal casing in the various versions.

- Front
- Offset front
- Opposite side
- Opposite side offset
- **NEW:** fixed on the leaf, INTEGRAL WITH THE LEAF

Wicket door (optional)

	Door size			Wicket door aperture dimensions	
	LN (1 leaf)	LN (2 leaves)	HN	LNp	HNp
Wicket door with sill (92 mm)	1580	3500	2250	850	2090
	1870	4000	2250	1140	2090
Wicket door without sill	1580	3500	2200	850	2000
	1870	4000	2200	1140	2000

The measurements are expressed in mm.

For lower LN (Net wall aperture) ask for feasibility.

In the case of a HN (Net Height) lower than the measures listed above, the height of the wicket door (HNp) is to be reduced.

Applications

- Surface mounted on solid and load-bearing masonry or reinforced concrete wall
- On insulated and protected beam or insulated metal structure covered with plasterboard.

Finish

The sliding doors are made of galvanized sheet metal and finished with an ecological primer paint, of industrial type, with high quality epoxy resins, which guarantee protection against corrosion from a vast range of aggressive agents, acid and non-acid, in environments not directly exposed to the outdoor natural atmosphere. Standard color RAL 7035. A wide range of RAL and NCS is available on order.

NEW: execution in AISI 304 or 316 stainless steel (excluding running track, point floor guide and accessories)

Identification plate

Applied on the shell handle with the appropriate CE mark and with personalized polychrome CARD with identification data.

Documentation provided (CE marking)

- Composed by:
- DoP declaration of performance
 - declaration of conformity with machinery directive
 - installation, use and maintenance manual
 - installation instructions

EI₂ 120 LEAF weight and thickness

- Average nominal weight 51 kg/m²
- **NEW:** nominal thickness 120 mm

EI₂ 120 field of application with CE marking

	Sliding Door 1 leaf EI ₂ 120		Sliding Door 2 leaves EI ₂ 120	
	LN	HN	LN	HN
Maximum dimensions	10000 mm	8225 mm	5600 mm	5027 mm
Maximum surface	50 mq		50 mq	
Decreasing dimensions	UNLIMITED		UNLIMITED	