



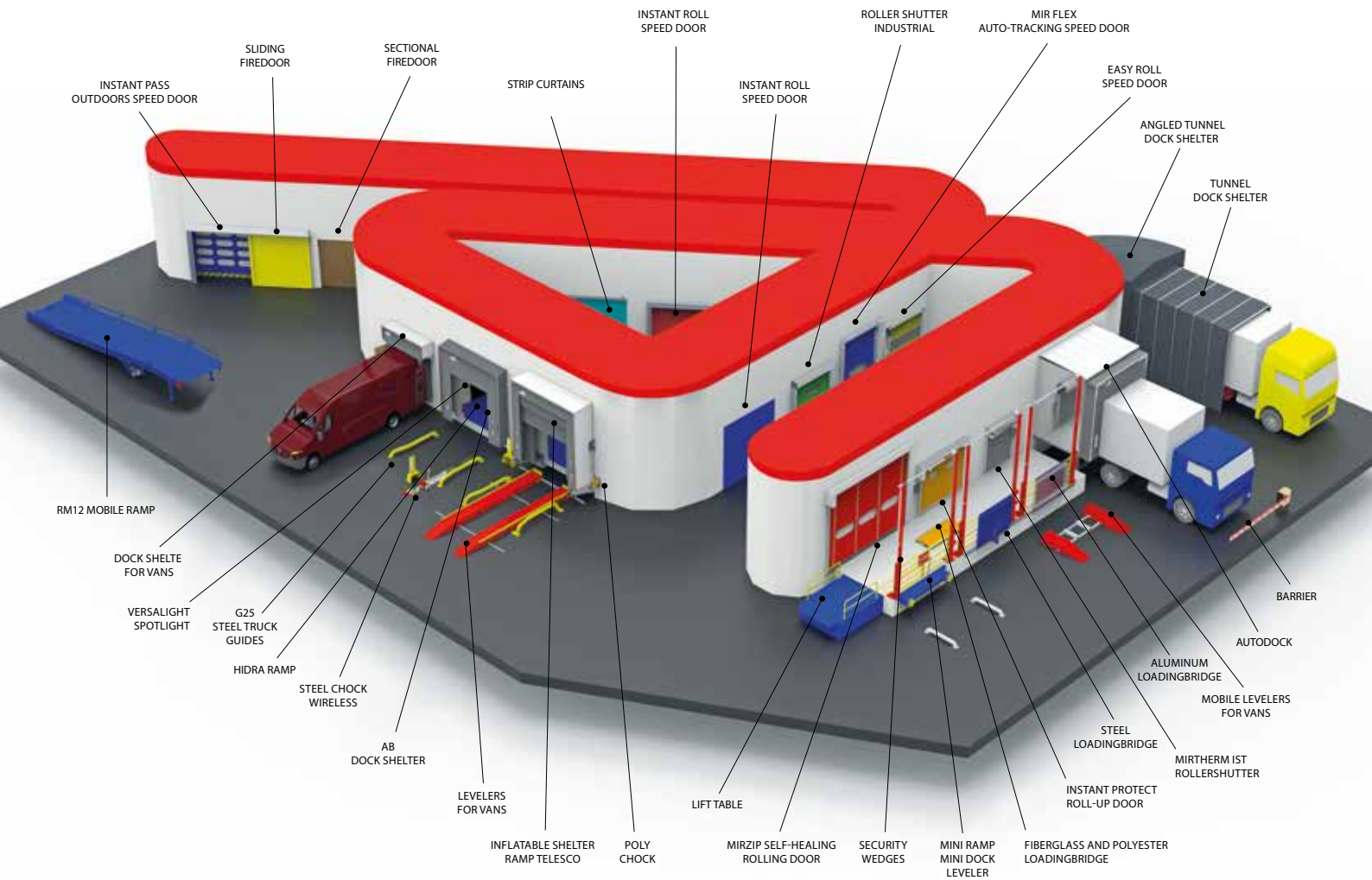
Fire Resistant Doors



Quality since 1967
Reliable Doors & Docks

www.angelmir.com

WE HAVE THE SOLUTION FOR YOUR COMPANY



EXPORTING OVER 50 COUNTRIES SINCE 1967

www.angelmir.com

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The passion for the work well done, is the key of the Angel Mir growth.

For 50 years, we have manufactured industrial doors and solutions for logistics. We are present in more than 50 countries, developing doors for specific applications that are a reference in the international market.

Our exclusive and original patented systems are originated in our commitment to meet the needs of our customers to the smallest detail. Our equipment is designed to solve functional, safety, technical and aesthetic circumstances.

At Angel Mir, our range of equipment is unique because our goal is customer satisfaction; therefore, we advise and design each product according to the needs of each application and we take care of its installation. We also offer an after-sales service for maintenance and repair throughout the product's lifetime.

Ángel Mir
President

La Bisbal
BARCELONA



Angel Mir factories with 42.000 m²



Quality since 1967
Reliable Doors & Docks

Energy efficiency

Some products of **Angel Mir**® have been designed to provide significant energy efficiency and reducing consumption of resources.

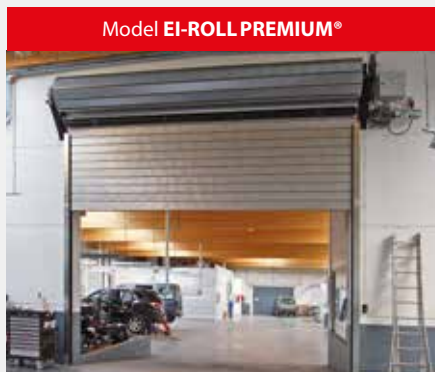
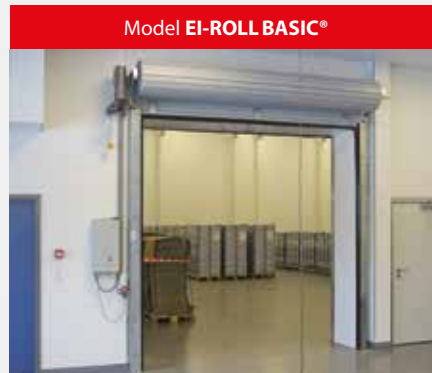
With our experience, we support and help our customers to carry out the projects with maximum energy savings through the most appropriate choice of our products. Also, depending on the sector, we recommend the most durable and suitable equipment for each application.

Raw Materials

For almost 50 years, **Angel Mir**® has always counted on local and European suppliers that provide the best raw materials, in order to achieve the best performance of its loading bay equipment and durability.

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Model	Opening	Resistance to fire	Use	Max. dimensions (clear width x clear height)	Installation
Corfire	Sliding	EI 60' · 90'	no intensive use	5390 x 4.280 mm	inside and outside
Corfire with passage door		EI 120' · 240'	no intensive use	7.120 x 6.240 mm	inside and outside
Sliding telescopic	Sliding	EI 120' + PTA	no intensive use	3.400 x 3.500 mm without lower socle	inside and outside
SeccFire	Sectional	EI 60' · 90'	Intensive	3.610 x 3.880 mm Superficie máx: 14 m²	inside
EI-Secc Hidra	Sectional	EI 60' · 90'	regular	3.750 x 3.900 mm	inside and outside
EI-Secc	Sectional	EI 60'	occasional	9.000 x 8.000 mm	inside
		EI 90'	occasional	5.175 x 6.967 mm Max. surface: 23,5 m²	inside
EI- Roll Basic	Rolling	EI 60'	no intensive use	3.400 x 4.600 mm Max. surface: 15,64 m²	outside
EI-Roll Premium	Rolling	EI 60'	Intensive use	6.000 x 5.000 mm Max. surface: 22 m²	inside
Guillotina EV-MIR	Guillotine	EI 60' · 90' (1 HOJA)	no intensive use	9.250 x 8.000 mm Max. surface: 40 m²	inside / outside
Guillotine telescopic	Guillotine	EI 120' (3 HOJAS (T+F))	no intensive use	5.200 x 4.640 mm	inside
Firepor CE	Practicable	EI 60' · 90'	no intensive use	5.445 x 7.425 mm Max. surface: 40,36 m²	inside
Firepor CE Premium		EI 120'	no intensive use	(1 SHEET): 1.300 x 2.150 mm (2 SHEETS): 1.980 x 2.150 mm	inside
Rolltex Fire without water irrigation	Swinging	EI 120'	no intensive use	(1 SHEET): 1.200 x 2.150 mm (2 SHEETS): 2.200 x 2.150 mm	inside
				10.000 x 7.000 mm	inside

Model **CORFIRE®** FIRE RESISTANT SLIDING MODEL FROM EI 60' TO EI 240'



The **CORFIRE®** fire resistant sliding doors from **Angel Mir®** are made up of one or more sheets, depending on the chosen option, they hung by an upper guide for horizontal movement of the latter by means of hangers with protected bearings, and guided in the lower part by hidden bearings on the opposite side to the closure. All doors have a counterweight system for automatic gravity closure in case of fire.

The sheet is made up of panels joined together by insulating and mechanically resistant joints. Each panel has an approximate width of 1,200 mm and is made up of two galvanized steel sheets with an inner chamber filled with a combination of thermal insulating materials that will prevent the passing of flames and gases, supplying the door assembly with the necessary quality for resistance to fire. The sheet is finished with a closing profile around the entire perimeter. The panel finishing is pre-lacquered in white.

The sliding guide installed in the upper part is a galvanized guide that favours the smooth sliding of the bearing hangers. These hangers, including metal wheels with ball bearings, ensure a perfect and long-lasting operation, as well as a smooth movement. The mobile hanger allows the steel wheels to always be perfectly in contact with the guide. The guide of the door and the end profiles can be fixed to a brick wall, filled block or concrete, or welded to resistant metal structures.

The doors remain open thanks to an electromagnetic device holding them back. When a signal is received from the fire detection system, the power supply to the electromagnet is cut off and the door starts closing thanks to the force exerted by a totally reliable system of cables, pulleys and counterweights until it is completely closed and fitted into the closure and the labyrinths above mentioned, which will guarantee a great sealing.



Test **EI-120** with passage door lacking lower socle.



Test **EI-240**.

FIRE RESISTANT DOORS

**SLIDING
FIRE DOOR**

**SECTIONAL
FIRE DOOR**

**ROLLING
FIRE DOOR**

**GUILLOTINE
FIRE DOOR**

**TEXTIL FIRE
CURTAIN**

**HINGED
FIRE DOOR**

ACCESSORIES

MULTIPURPOSES

The fire resistant sliding doors offer the possibility to incorporate accessories such as shock absorbers, motors, semi-automatic automatism, speed controls or special handles. They can also be installed outside. Standard finishing in white pre-lacquered sheet and, optionally, in stainless or galvanized steel.

Angel Mir® has at your disposal all the classifications for determining fire resistance according to test standards, as well as the CE marking made by laboratories accredited by official Bodies.

In case of fire, **CORFIRE®** guarantees a minimum resistance (of 90, 120 or 240 minutes depending on the model):

Maximum dimensions

El2-90 cat. B (Door tested on both sides)

Maximum width: 5,390 mm.

Maximum height: 4,280 mm.

El2-120 cat. B (Door tested on both sides)

Maximum width: 7,000 mm.

Maximum height: 6,000 mm.

El2-120 cat. B with passage door, peephole and without lower socle (Door tested on both sides)

Maximum width: 7,000 mm.

Maximum height: 6,000 mm.

El1-240 cat. B (Door tested on one side)

Note: Only if the fire arrives from the side without ANY exposed items.

Suitable for areas with high risk of fire, such as battery charging rooms, inflammable areas...

Maximum width: 7,000 mm.

Maximum height: 6,000 mm.

Model Telescopic: El-60 · El-120

Maximum width: 3,610 mm.

Maximum height: 3,880 mm.

Maximum surface: 14m²



Fire resistant sliding door in pharmaceutical laboratory.



Fire resistant **sliding** door including pedestrian doorway.



Fire resistant **sliding** door in food industry.



Fire resistant **sliding** door in shopping mall.

FIRE RESISTANT DOORS

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SECTIONAL
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CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



Fire resistant **sliding** door with guide cover.



Fire resistant **sliding** door in textile industry.



Fire resistant **sliding** door in paper industry.



Fire resistant **sliding** door with galvanized frame and guide.



Stainless fire resistant **sliding** door with guide cover.



Stainless fire resistant **sliding** door with guide cover.

FIRE RESISTANT DOORS

SLIDING
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CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



Fire **sliding** door in front of forklift.



Fire **sliding** door with guide cover.



Fire **sliding** door in cardboard warehouse.



Fire **sliding** door in food industry.



Fire **sliding** door with window gap.



Fire door with insulating canvas speed door.

FIRE RESISTANT DOORS

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FIRE DOOR

TEXTIL FIRE
CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES

Fire sliding doors with protection fence to avoid possible impacts from forklifts or the door being blocked by merchandise or materials.



Model **SECCFIRE®** FIRE RESISTANT SECTIONAL 60' · 90'



Fire resistant sectional door in warehouse.

The main function of the **fire sectional door SECCFIRE®** is to compartmentalise the different rooms of the industrial unit in case of fire. Thanks to its design, it can remain open or operate as a normal sectional door both inwards and outwards. In addition, it allows different types of rising to be adapted to the space available, which makes it ideal for diverse applications such as theatres, service lifts, parking lots, conveyor belts, logistic warehouses, etc.

The entire structure is covered by materials preventing flames, fumes and gases from escaping and, at the same time, they serve as sealing joints providing maximum tightness. The inner chamber is made of insulating composite with a density of 350 kg / m³ and a thickness of 60 mm. The finishing of the sheet structure is in smooth galvanized steel sheet painted in white RAL 9010 or, optionally, in stainless steel 304 or 316. SeccFire includes an irreversible gear motor for non-intensive use, with integrated digital limit switch and located on the lateral of the door.

In case of fire, they ensure a minimum resistance on both sides of the door of 60 or 90 minutes depending on the model. The control panel is connected to the fire alarm or to the smoke detector; when the door receives the alarm signal, it descends due to the movement of the motor or, in the event of power failure, it lowers thanks to a UPS incorporated in the control panel. The security system, consisting of a curtain of self-bleaching photocells, ensures the safe passage of people and vehicles.

Maximum dimensions:

E160 and E190: 4,000 x 4,000 mm.

FIRE RESISTANT DOORS

SLIDING
FIRE DOOR

**SECTIONAL
FIRE DOOR**

ROLLING
FIRE DOOR

GUILLOTINE
FIRE DOOR

TEXTIL FIRE
CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



Interior face previous test.



Exterior face previous test.



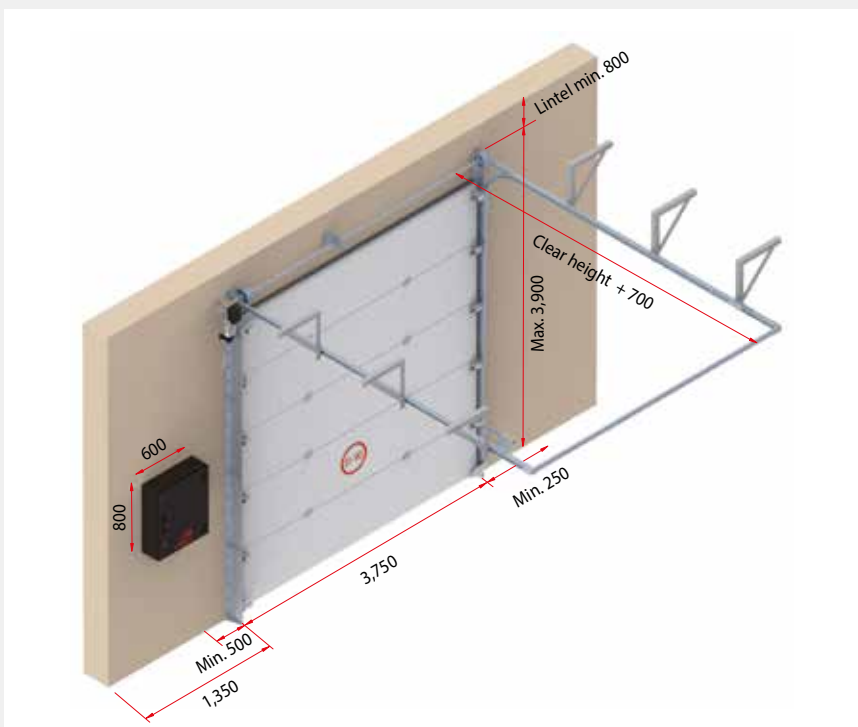
Interior face test.



Exterior face test.



Seccfire® model dimensions (in mm).



Model **EI-SECC HIDRA®** FIRE RESISTANT SECTIONAL 60' · 90'



Fire resistant sectional door of great dimensions.



Fire resistant sectional door in food warehouse.

The **fire sectional doors EI-SECC HIDRA®** have been designed to operate as a normal sectional door under regular use conditions and with an opening through traditional push-buttons.

This model is made up of a series of panels joined by means of hinges, made up of two assembled steel sheets, in such a way that they form a 80 mm thick chamber filled with mineral wool having a density of 150 kg / m3. The finishing of the panels is available in different RAL colours.

The sealing joints are made of several layers of fire resistant and intumescent materials. Optionally, both guides and panels can be made of stainless steel.

The door is powered by 220V single-phase which feeds a battery that, in turn, feeds the hydraulic unit at 24 VDC and with a power of 2.2 Kw that acts on a cylinder, which pulls a lifting system using cables and pulleys. It has anti-fall devices in the event of cable breakage. The cylinder is calculated, for each door, according to height and type of lifting. This fire resistant door model does not include compensation springs.

Each movement of the door is indicated by a signal flashing lamp. Optionally it can be operated by remote control. In case of fire, a signal is sent to the control panel that automatically closes the

door by gravity at a controlled speed until it rests on the ground. The descent manoeuvre can only be stopped when the passage detection system through the photocell curtain detects an obstacle. After an adjustable interval, the contact is checked again; if the path is clear the descent continues.

Option in **acoustic sectional door**: 47dB.

Dimensions:

EI-SECC HIDRA EI 60', EI 90' and EI 120': 9,000 x 8,000 mm.

Model **EI-ROLL BASIC®** FIRE RESISTANT ROLLING 60'

The **fire resistant roller shutter EI-ROLL BASIC®** from **Angel Mir®** is a lighter fireproof door and, as it has a design more like traditional doors, it is easier to assemble and install and its price is competitive.

It is intended for indoor and **not intensive use**; frequency of five daily cycles. Not suitable for areas with water. The door mechanism is exceptionally light and airtight. The slats are made of synthetic micro ribbed profiles of one single colour (grey 7035) with an intumescent core of wood and a patented fireproof product.

All doors have been tested following the European standards CEN 1363-1 and CEN 1634-1 and have the EI60 classification.

Maximum dimensions:

Max width: 6,000 mm.

Max hig: 5,000 mm.

Total surface: 22m²



FIRE RESISTANT DOORS

SLIDING
FIRE DOOR

SECTIONAL
FIRE DOOR

**ROLLING
FIRE DOOR**

GUILLOTINE
FIRE DOOR

TEXTIL FIRE
CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



Fire resistant roller shutter **EI-Roll Basic®**.



Fire resistant roller shutter **EI-Roll Basic®** in line of rollers.

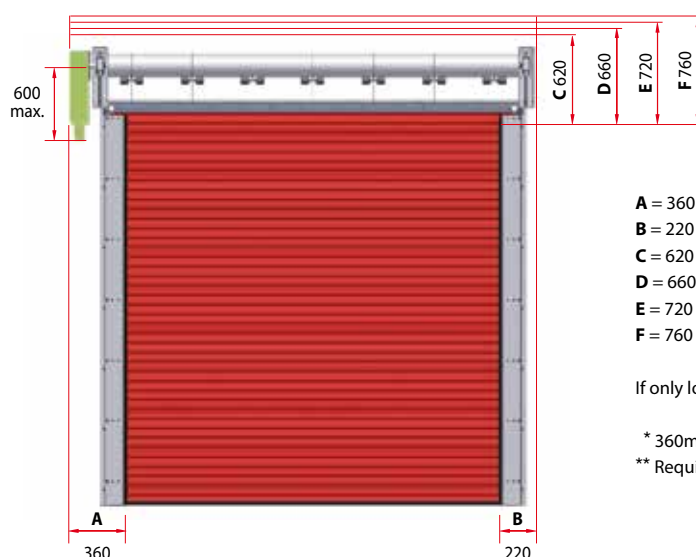


Fire resistant roller shutter **EI-Roll Basic®**.



Fire resistant roller shutter **EI-Roll Basic®** in warehouse.

EI-Roll Basic® fire resistant rolling dimensions (in mm)



A = 360 * (+180 **) motor side

B = 220 - clear side

C = 620 (+50 *) door height < 2.750

D = 660 (+50 *) door height < 4.000

E = 720 (+50 *) door height < 5.000

F = 760 (+50 *) door height < 4.000

If only low headroom is available, please contact technical service.

* 360mm for FDF60-100-9 motor

** Required installation space

Model **EI-ROLL PREMIUM GALVA®** FIRE RESISTANT ROLLING 60'



The fire resistant doors **EI-ROLL PREMIUM GALVA®** from **Angel Mir®** offer a reliable solution applicable to shopping malls, hospitals, airports, museums, as well as to industries, among other applications, requiring intensive use. Because the slats of the door comply with the fire class B-s1, d0, this roller shutter is particularly suitable to be used in protected escape routes.

The slats of the door are made of double-walled galvanized steel, filled with rock wool and 43 mm thick. The lower side of the sheet is finished with a galvanized U profile that is attached to the lower section with pop rivets. The slats have synthetic end locks.

The movement system is made up of two galvanized or painted steel supports. Brackets are attached to the wall with bolts and washer plates. The wall of the building must be concrete, cellular concrete or a steel construction with proven fire resistance. The slats are wound on the upper drive shaft guided towards the lateral guides by means of the pressure tube.

EI-ROLL PREMIUM GALVA is equipped with a 400V motor, a panel and a safety device. Optionally, the door can be equipped with a fail-safe motor to close in a gravity-controlled manner in the event of a power failure.

Available options:

- Two optical / acoustic signals
- Connection in the panel of various applications such as key switches, smoke and temperature detectors, or a fire alarm system.

- Set of light curtains connected to the panel for a safe operation of the door.
- Galvanized steel cover on coiling box and motor.
- Components painted in RAL colour to choose by powder coating.
- Formed profiles of the slats in RAL colour to choose between wet or wrapped paint.
- Finishing of the side guides, the supports and the cover box in stainless steel 304 or 316.
- Barrier against liquids 300 mm high built into the bottom of the door.
- Electrical components and accessories available in explosion proof version (ATEX).

Finishing

60 mm thick galvanized steel sheets with double wall. Painting is not recommended.

Maximum dimensions

EI 60:

Max width: 9,000 mm.

Max high: 8,000 mm.

Max surface area: 40m²

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FIRE DOOR

ACCESSORIES

MULTIPURPOSES



Roller shutter **Ei-Roll Premium**® in warehouse.



Fire door **Ei-Roll Premium**® in industrial kitchen.



Fire door **Ei-Roll Premium**® in logistic warehouse.



Roller shutter **Ei-Roll Premium**® in garage.



View of closed roller shutter **Ei-Roll Premium**®.

Model **EV-MIR®** FIRE RESISTANT GUILLOTINE FROM EI 60' TO EI 180



Fire resistant guillotine door test with pedestrian door.

Vertical sliding counterbalanced fire metal door.

It is manufactured with a single sheet or, if not enough space available, two telescopic sheets. It usually remains open and, when it receives a signal from the fire detection system, it descends by gravity at a speed controlled by two radial absorbers.

Depending on the size or spaces available, one or two counterweights can be placed, closed by sheet receptacles, which make up for the weight of the door leaving a margin for automatic descent by gravity.

The dimensions of the receptacles depend on the size of the door.

The sheet is made by panels joined together by insulating and fire resistant joints. Each panel has an approximate width of 1200 mm and is made of two galvanized steel sheets of adequate thickness to the required fire resistance, leaving inside a chamber filled with a combination of thermal insulating materials, such as high density rock wool panels, calcium hydrosilicate plates and fire retardant and intumescent resins to prevent the passage of flames and gases,

giving the door assembly the required fire resistance property.

The sheet is finished with a closing profile around the perimeter.

The side guides and supports are very thick to provide adequate resistance to the movements and expansions that the guillotine door will undergo both in its normal operation and in the event of a fire.

The set has a perimeter labyrinth topped with self-expanding intumescent joints that will swell with the temperature and will block the passage of flames and gases.

The door guides can be fixed on walls made of brick, filled block or concrete, or welded to resistant metal structures. The supporting items or walls must have, at least, the same fire resistance value as the door and must be strong enough to support the weight of the door and its expansions.

They have the adequate safety elements to

avoid falls in the event of breakage of a suspension item.

Optionally, on doors with a height above 2,400 mm, a **pedestrian door** can be included, incorporated in the sheet of the single or double-leaf guillotine door. For construction reasons, this pedestrian door will always have a lintel or lower frame of at least 40 - 50 mm, depending on the classification. The opening direction will always be the one that prevents the sliding of the guillotine door from slowing down.

Optional finishing of the sheet in stainless steel or galvanized steel.

Dimensions:

1 SHEET: EI 60 - 90: 5,200 x 4,640 mm.

Telescopic model: 3 SHEET (T+F): EI 120'

Max width: 5,445 mm.

Max high: 7,425 mm.

Max surface area: 40,36 m²

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**GUILLOTINE
FIRE DOOR**

TEXTIL FIRE
CURTAIN

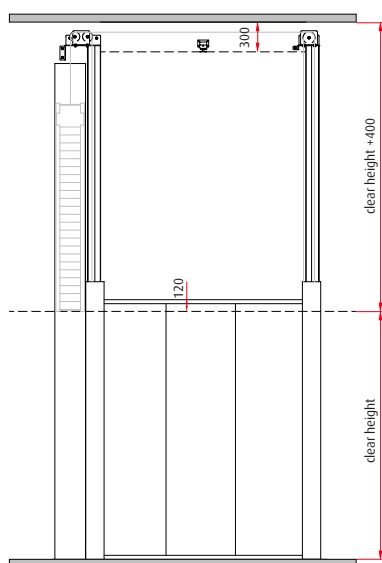
HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



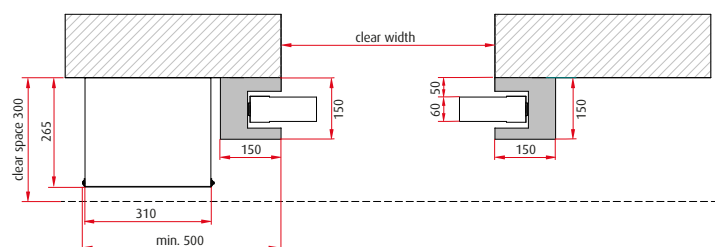
EV-MIR® model from 60' to 180' dimensions (in mm).



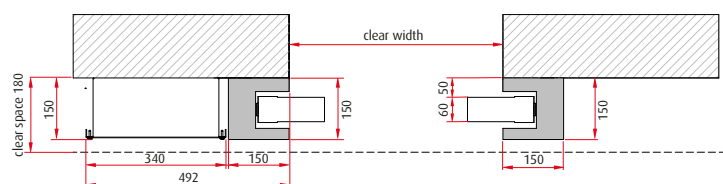
NOTES:

Plan for single sheet guillotine doors EI-60 and EI-90 with a maximum clear passage of 12 m²
To have the door certified, the maximum clear passage sizes will be 5200 x 4640 mm (width x high)

DOUBLE COUNTERWEIGHT SIZES



SIMPLE COUNTERWEIGHT SIZES



NOTE:

Single or double counterweight is chosen depending on the dimensions and weight of the door.

NEW

Model **ROLLTEX Fire®** Fire curtain without irrigation

Fire roller textile curtain without water irrigation to sectorize fires. An innovative automatic barrier with classification up to EI₂-120 C1 which ensures the integrity and control of the significant heat radiation, guaranteeing the safe evacuation of people and the fire from spreading.

The canvas is manufactured of a 25/30 mm thick technical fabric, made of fiberglass reinforced with stainless steel and double-stitched with high-resistance steel thread on the outside, and of different intumescent materials and resistant fibres inside. The finishing on both sides is black.

Thanks to the system of transverse straps with lateral bearings guided by a rail, it provides the rigidity and flexibility of movement needed by the canvas to operate. At the lower part, it has a counterweight for correct tensioning and closure to the ground.

The upper receptacle and the feet of the structure are made of galvanized steel with hidden fastenings and can, optionally, have white lacquered finishing or another RAL colour. The feet include also a front and rear trim that improves its design. However, it is possible to hide both the feet and the receptacle between walls and to add a false ceiling for perfect integration in small spaces, so Rolltex Fire becomes the ideal solution for interior use in residential buildings, offices, shops, theatres, industries, logistic centres, hydrocarbons sector, sports centres, etc.

The motor and control panel, from 950 to 2,200W, depending on the door, have an uninterruptible power supply (UPS) and hidden cross photocells curtain for maximum safety.

Fire resistance EI₂-120 category B for both faces.

CE MARKING

Maximum sizes:

10,000 x 7,000 mm.



Assembling between walls.



Standard assembling on wall.



Hidden assembling between walls.

Model **MIRTEX®** Fire curtain with irrigation

Textile fire resistant curtain with **water irrigation** to sectorize against fire. Capacity to ensure integrity and not to exceed a maximum temperature on the side not exposed to fire, to ensure the evacuation of people and that the fire does not spread.

Curtain made of a technical fabric composed of fiberglass reinforced with a steel mesh covered with silicone on one side that acts as a smoke insulation and provides greater rigidity and permeability to the fabric.

The design can be hidden and requires a minimum flow rate of 24 L / min per sprinkler, making it the lowest water consumption fire curtain on the market. Suitable for indoor use in residences, industries, offices, logistic centres, hydrocarbon sector, shops, theatres, sports centres, etc.

Fire resistance from EI-30 to EI-180.

Tested according to standard EN 1634-1:2014 "Fire resistance and smoke control tests for door and shutter assemblies, operable Windows and elements of building hardware" and EN1363-1:2012 "Fire resistance Test. Part 1: General requirements".

Tested according to standard project (EXAP'S) PrEN 15269-11:2013 for sizes extrapolation.

Characteristics:

- Maximum permissible dimensions: 12 m. x 8 m.
- All its components must go on the irrigated cooling system side.
- Minimum flow required: 24 L/min per sprinkler.
- Sprinklers every 1.50 linear meters of the system.
- Certified system with hotmelt Sprinkler.

Maximum dimensions:

EI-30 to EI-120: 25,000 x 15,000 mm.

EI-180: 12,000 x 8,000 mm.



FIRE RESISTANT DOORS

SLIDING
FIRE DOOR

SECTIONAL
FIRE DOOR

ROLLING
FIRE DOOR

GUILLOTINE
FIRE DOOR

**TEXTIL FIRE
CURTAIN**

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES

ROLLTEX Fire® Fire curtain without irrigation



MIRTEX® fire curtain with irrigation



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GUILLOTINE
FIRE DOOR

TEXTIL FIRE
CURTAIN

**HINGED
FIRE DOOR**

ACCESSORIES

MULTIPURPOSES

Model FIREPOR TMIR CE®

The fire resistant door FIREPOR CE PREMIUM is the model that offers the most manufacturing options, both in terms of sizes and special accessories. It is available in versions with one and two sheets, in the latter case with the possibility of asymmetry.

1 OR 2 SHEETS EI2-60 / 90 / 120

- Two galvanized steel sheets having 0.8 mm antifinger protection and assembled without welding, plus a third sheet on the opposite side of the hinges. Sheet thickness of 73 mm.
- 1.5 mm thick corner frame model CS5 with intumescent joint and prepared to be installed on site with mortar, or by screwing it onto an approved metal frame. Optional: Rubber seal.
- Inner chamber: combination of fireproof and thermal insulating materials; double layer of high density rock wool and Pladur type plate.
- At least four galvanized steel double blade hinges with CE marking.
- CE marking reversible lock with steel box and zinc plated front, inserted into the sheet with one point lock.
- Brass cylinder of 35x35 mm. Set escutcheon + crank with black nylon keyhole.
- Double sheet model: on the active leaf, both sides, set escutcheon + crank with keyhole. On the inactive sheet, box side, escutcheon + door handle without keyhole and on cover blind escutcheon. The double sheet includes an automatic locking mechanism with counter-lock on the inactive sheet.

1 SHEET

Clear opening size Width x Height
800 x 2050
800 x 2100
800 x 2150
900 x 2050
900 x 2100
900 x 2150
1000 x 2050
1000 x 2100
1000 x 2150
1100 x 2050
1100 x 2100
1100 x 2150
1200 x 2050
1200 x 2100
1200 x 2150

2 SHEETS

Clear opening size Width x Height	Clear opening size Width x Height
1200 x 2050	1800 x 2050
1200 x 2100	1800 x 2100
1200 x 2150	1800 x 2150
1300 x 2050	1900 x 2050
1300 x 2100	1900 x 2100
1300 x 2150	1900 x 2150
1400 x 2050	2000 x 2050
1400 x 2100	2000 x 2100
1400 x 2150	2000 x 2150
1500 x 2050	2100 x 2050
1500 x 2100	2100 x 2100
1500 x 2150	2100 x 2150
1600 x 2050	2200 x 2050
1600 x 2100	2200 x 2100
1600 x 2150	2200 x 2150
1700 x 2050	
1700 x 2100	
1700 x 2150	

Standard finishes



Anti-fingerprint



White like RAL
9010



Gray like RAL
7035

Optional finishes



Stainless steel

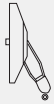


RAL of choice

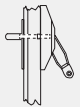


ACCESSORIES

PANIC BAR



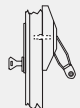
Complete set of bar: mechanism + tube.



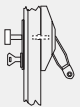
Panic bar with external operation by handle (NOT prepared for cylinder).



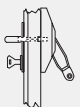
Panic bar with exterior blind escutcheon (without drive).



Panic bar with exterior operation by key (prepared for cylinder).



Panic bar with exterior knob door and operation by key (prepared for cylinder).



Panic bar with exterior handle and key (prepared for cylinder).



ONLY SECONDARY SHEET. Panic bar with interior operation and rods.

HANDLES



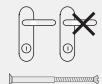
Handle with black plastic patent cylinder.



Handle with patent cylinder - Black. STAINLESS handle / ALUMINIUM handle.



Supplement on handle M1. Handle with metallic cylinder C3 - Black.



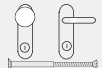
Panic handle (includes lock C3).



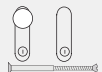
Handle - Handle without cylinder.



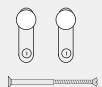
Blind escutcheon - Blind escutcheon with patent cylinder.



GARAGE KIT. Fixed doorknob - handle with patent cylinder.



Fixed knob - blind escutcheon with patent cylinder.



Doorknob - doorknob with patent cylinder.

DOOR CLOSERS



ELECTROMAGNETS



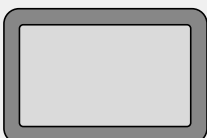
PEEPHOLES Only for interior use



300 x 400
Certif. CEN



Ø 280
Certif. CEN



400 x 600
Certif. CEN

INTUMESCENT GRILLE

This grille allows air circulation and prevents the fire from spreading between communicating rooms in case of fire. In the event of fire, or a drastic increase in temperature, the slats expand covering the orifices in the grille and forming a barrier against flames and gases.

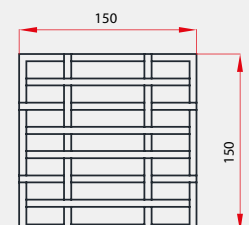
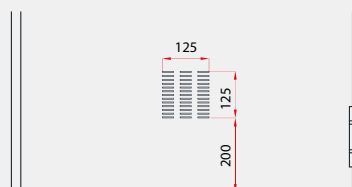


LOCKS



Electronic lock.

Panic electronic lock.



Model MULTIPURPOSE SWING BASIC® (NON-FIREPROOF)

Metallic swing door without classification to fire with 1 or 2 sheets.

Characteristics:

- Two 0.5 mm galvanized steel sheets assembled without welds.
- Sheet thickness: 38 mm.
- Interior chamber: high-pressure injected polyurethane.
- The whole assembly has two or three steel hinges of 2.5 mm thickness, depending on the size of the door.
- Available with CS4 corner frame or C70 wall clamp frame.
- Steel lock embedded in the sheet.
- 30x30 brass cylinder.
- Set escutcheon + handle with black nylon keyhole.
- In the assembled double sheet model, two bolts, acting as drive of the inactive sheet, are embedded into the edge of the sheet.

Options

- Fixed to adapt the doors to particularly large openings or as aesthetic complement. Same structure as the door.

1) Side / upper fixed.

2) Side / upper fixed with intermediate frame of panel or glass.

3) Upper fixed without intermediate frame.

- Ventilation: they allow the enclosures to be aerated and do not let water through. It can be placed in different arrangements of the sheet: top, bottom, single or double.
- Incline: they can be manufactured with inclination or semi-inclination to be adjusted to any need or space.

Finishings



Galvanized



White pre-lacquered



Grey pre-lacquered



Old oak laminated



RAL chart

SIZES 1 SHEET

Frame CS4	Frame C70
Work hole Width x Height	Work hole Width x Height
690 x 1,990	710 x 2,000
690 x 2,090	710 x 2,100
790 x 1,490	810 x 1,500
790 x 1,790	810 x 1,800
790 x 1,990	810 x 2,000
790 x 2,090	810 x 2,100
890 x 1,990	910 x 2,000
890 x 2,090	910 x 2,100
990 x 1,990	1,010 x 2,000
990 x 2,090	1,010 x 2,100
1,090 x 1,990	1,110 x 2,000
1,090 x 2,090	1,110 x 2,100
1,190 x 1,990	1,210 x 2,000
1,190 x 2,090	1,210 x 2,100

SIZES 2 SHEETS

Frame CS4	Frame C70
Work hole Width x Height	Work hole Width x Height
1,530 x 1,990	1,550 x 2,000
1,530 x 2,090	1,550 x 2,100
1,730 x 1,990	1,750 x 2,000
1,730 x 2,090	1,750 x 2,100
1,930 x 1,990	1,950 x 2,000
1,930 x 2,090	1,950 x 2,100



Model **MINERAL-SECC®** ROCK WOOL A1

The sectional door **Mineral-Secc®** is a door to improve the thermal and acoustic insulation between the outside and the inside where the door is located, thanks to the rock wool filling inside.

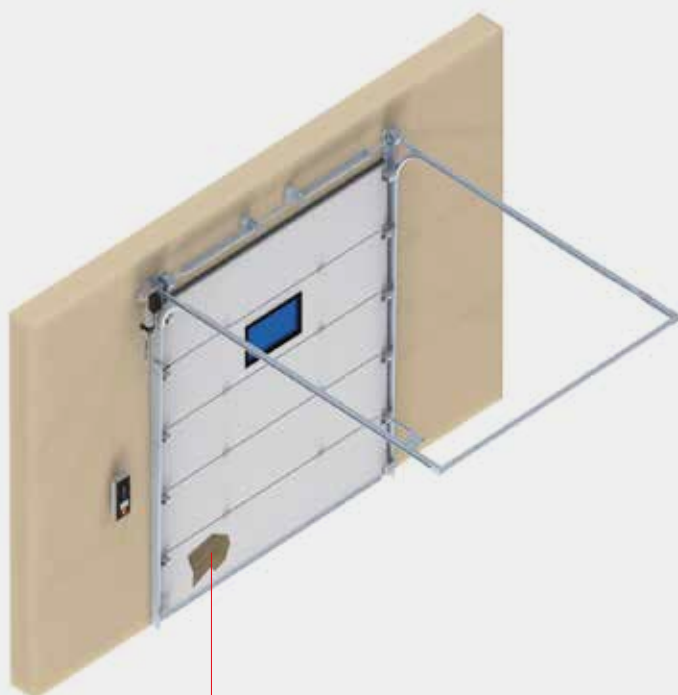
It is designed to be used in environments having high temperatures, between 60 and 100°C, for example paint booths, where panels with polyurethane are not appropriate, or places where polyurethane is not allowed. Thanks to its characteristics it can be used as a flame-arrester door. It is also ideal for insulating the loading points facing outside.

The panels are made up of two sheets of white galvanized steel or fibre fireproof sheet, filled inside with rock wool. It has fireproof reinforcements throughout the entire panel, joined together with an aluminium male/female.

The panels are raised by means of lateral guides and their weight is compensated through a spring system.

Maximum sizes:

4,500 x 4,500 mm. (To inquire for special sizes).



Detail of the inside of the panel filled with rock wool.

FIRE RESISTANT DOORS

SLIDING
FIRE DOOR

SECTIONAL
FIRE DOOR

ROLLING
FIRE DOOR

GUILLOTINE
FIRE DOOR

TEXTIL FIRE
CURTAIN

HINGED
FIRE DOOR

ACCESSORIES

MULTIPURPOSES



For further information, please consult our detailed product catalogues:



GENERAL CATALOGUE



LOADING BAY
EQUIPMENT



HIGH SPEED DOORS



SECTIONAL DOORS



ROLLER SHUTTER
DOORS



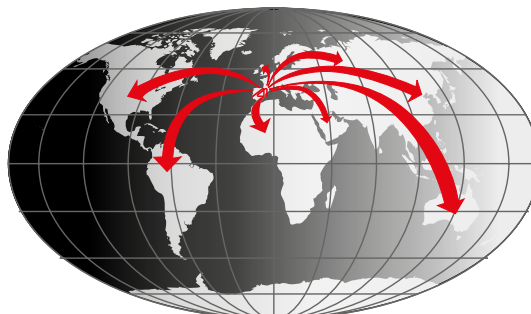
FIRE RESISTANT
DOORS



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