

Promat®

# PROMAT PYROSEC® Fire Doors



# Promat is the global leader in passive fire protection

Promat UK is an acknowledged leader in the manufacture and supply of passive fire protection and high performance insulation solutions. We are proud to provide a range of products that are trusted, proven and installed worldwide, across a diverse range of industries and applications. Promat UK is part of the global Etex Group who have a presence in 45 countries, operating 107 production sites and employing more than 15,000 skilled and dedicated professionals.

Promat offer a complete portfolio of certified and tested products and systems to design and build a fully reliable fire safety solution for your building project. With more than 60 years of experience and know-how, we are ready to help you protect people, buildings and assets.

## Promat PYROSEC® Fire Doors

The PYROSEC® range of fire doors from Promat UK provide a strong aesthetic appeal with large glazed vision panels and streamlined stainless steel framing to maximise light transmission and create a contemporary environment. The PYROSEC® Fire Doors provide up to 30 minutes (EI30) and 60 minutes (EI60) assured fire protection with a variety of configurations, including double and single doors, along with an array of optional fittings.

Large heights can be achieved with the doors and over panels and side panels unleash a variety of design options. PYROSEC® Fire Doors are ideal for use in a wide variety of projects, including retail outlets, offices, commercial and public sector buildings.

Promat PYROSEC® EI30 Single Door



Promat PYROSEC® EI30 Double Door



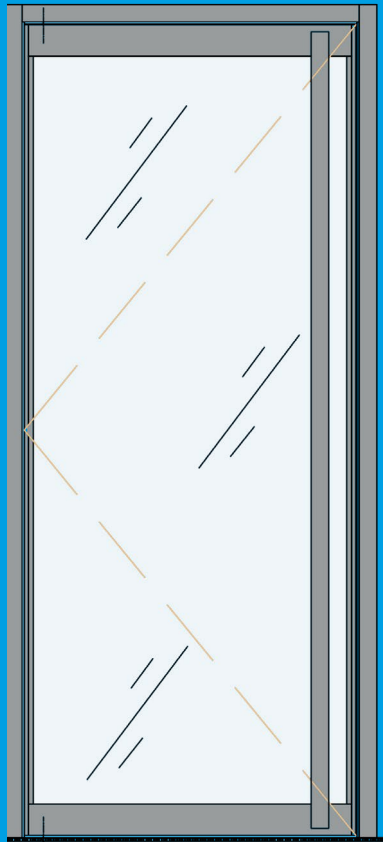
Promat PYROSEC® EI60 Single Door



Promat PYROSEC® EI60 Double Door



# PYROSEC® Fire Door Specifications



## Standard Specification

- 1 Slim 50mm frame members, 25mm stiles and 90mm rails for minimal framing and maximum glass area
- 2 Full height back to back handle
- 3 All of the above available in stainless steel or any standard RAL colour.
- 4 Unlatched.
- 5 Floor spring closers with either single or double action.

## Options

- 1 Available in single, double or half door sets (EI30 or EI60).
- 2 Full complement of over panels and side screens that allow for clear butt joint glazing.
- 3 Various ironmongery options include deadlocks in top and bottom rails, concealed electric latch, surface mounted mag locks (see page 10 for more options).
- 4 Multiple fixing options depending on installation conditions.

## Terminology

- Single action: Door only opens one way.
- Double action: Door opens both inwards and outwards.
- Floor spring: Concealed device to automatically close the door.
- Overhead closer: Optional additional system to automatically close the door
- Deflection head: A movement joint to provide stability if there is a likelihood of movement within the substrates

## Disclaimer

We cannot guarantee or predict the opening or closing forces that the doors will have when they are in their installed position, therefore the Design team/Client may need to consider additional options surrounding the operation of fire doors. Closing forces can also be influenced by internal wind pressures, air conditioning, heating etc. and can result in different opening/closing forces throughout the building.

The only option to guarantee opening or closing forces would be Door Automation. Alternatively, electromagnetic hold open devices can be considered.



STREAMLINED  
FRAMING



EI30 AND EI60 FIRE  
RATINGS



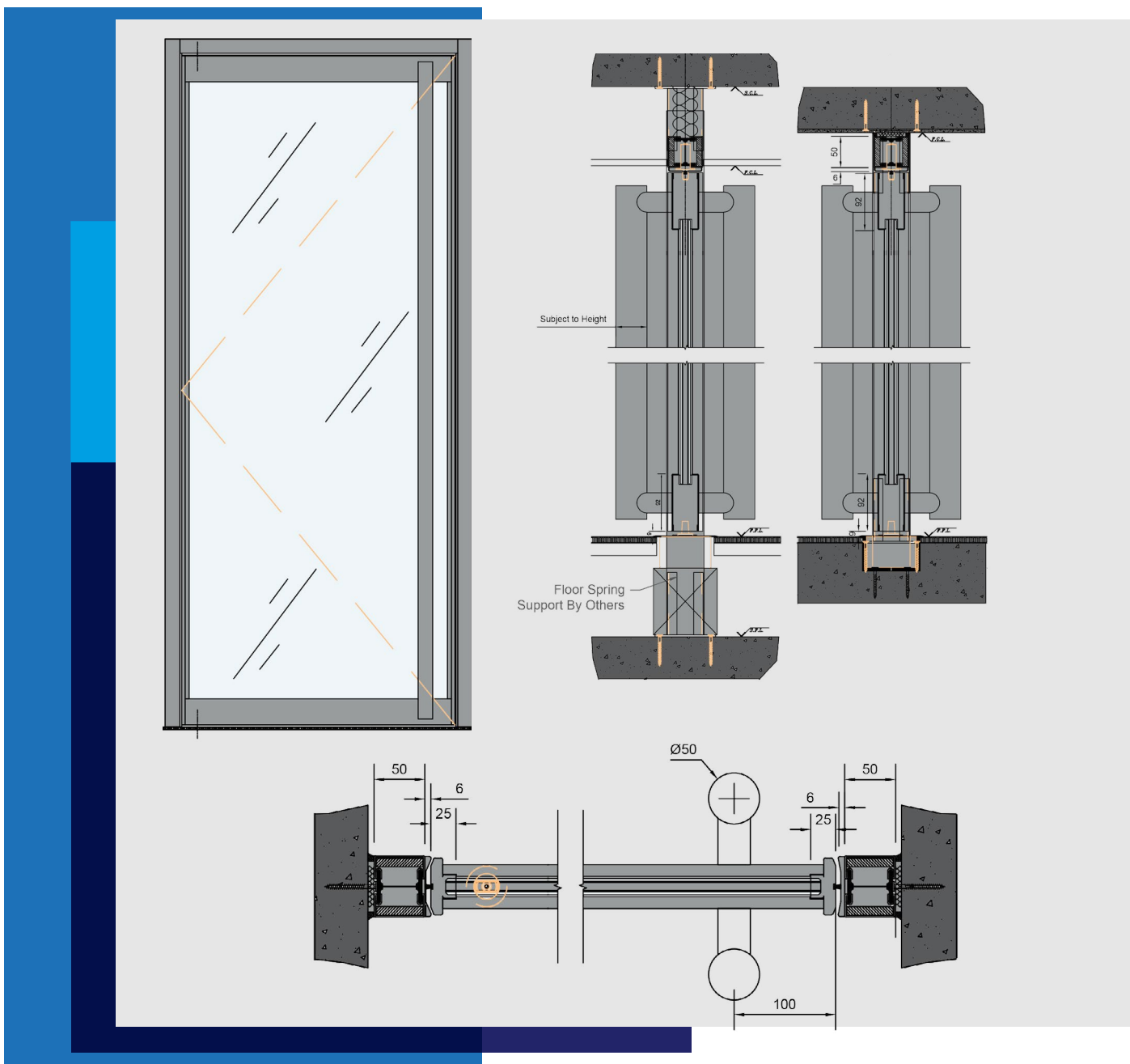
OVER PANELS AND  
SIDE PANELS



CE MARK

# PYROSEC® EI30 Single Door

The PYROSEC® EI30 steel framed single fire door provides up to 30 minutes integrity and insulation fire protection. With a large glazed vision panel, tall stainless steel handle along with an array of optional configurations (pages 8-12), including over panels and side panels, the PYROSEC® Door is suitable for a variety of applications.

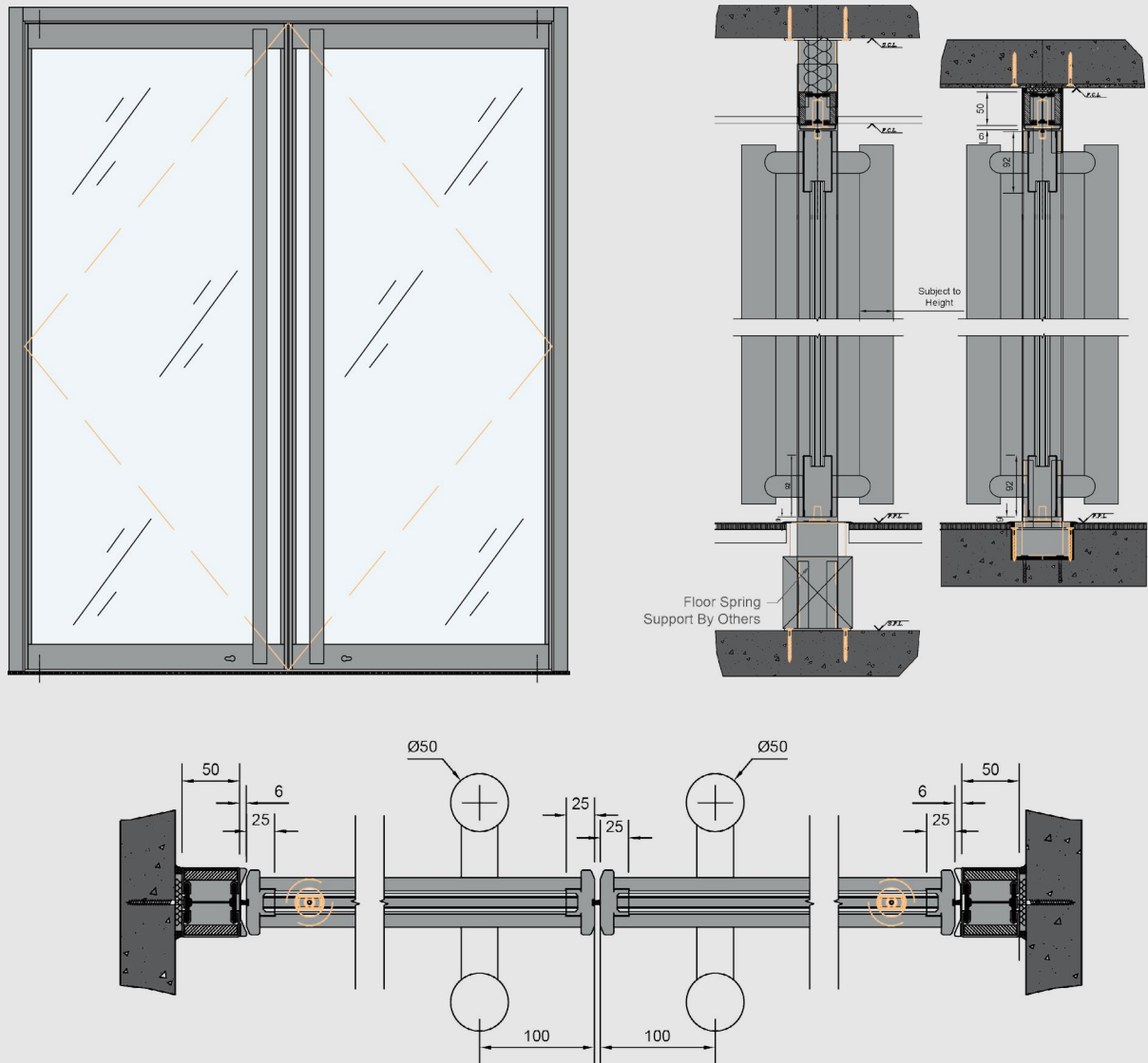


## PYROSEC® DOOR DIMENSIONS

	Minimum (mm)	Maximum (mm)
Width	400	1100
Height	1950	2950
Side Panel	400	Unlimited (1000 modules)
Over Panel	400	1000

# PYROSEC® EI30 Double Door

The PYROSEC® EI30 steel framed double fire door provides up to 30 minutes integrity and insulation fire protection. With a large glazed vision panel, tall stainless steel handle along with an array of optional configurations (pages 8-12), including over panels and side panels, the PYROSEC® Door is suitable for a variety of applications.

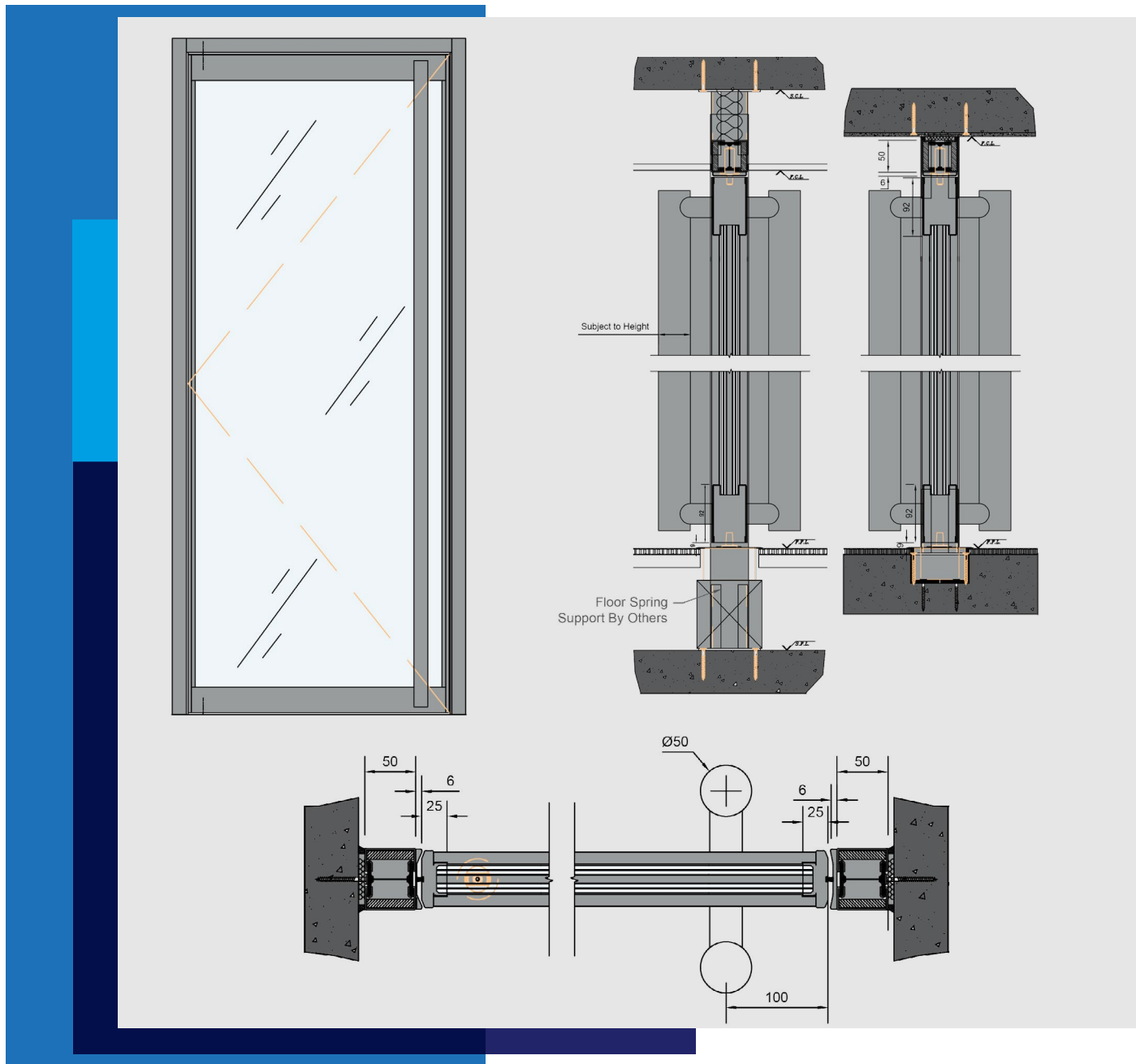


## PYROSEC® DOOR DIMENSIONS

	Minimum (mm)	Maximum (mm)
Width	400 (per leaf)	1100 (per leaf)
Height	1950	2950
Side Panel	400	Unlimited (1000 modules)
Over Panel	400	1000

# PYROSEC® EI60 Single Door

The PYROSEC® EI60 steel framed single fire door provides up to 60 minutes integrity and insulation fire protection. With a large glazed vision panel, tall stainless steel handle along with an array of optional configurations (pages 8-12), including over panels and side panels, the PYROSEC® Door is suitable for a variety of applications.

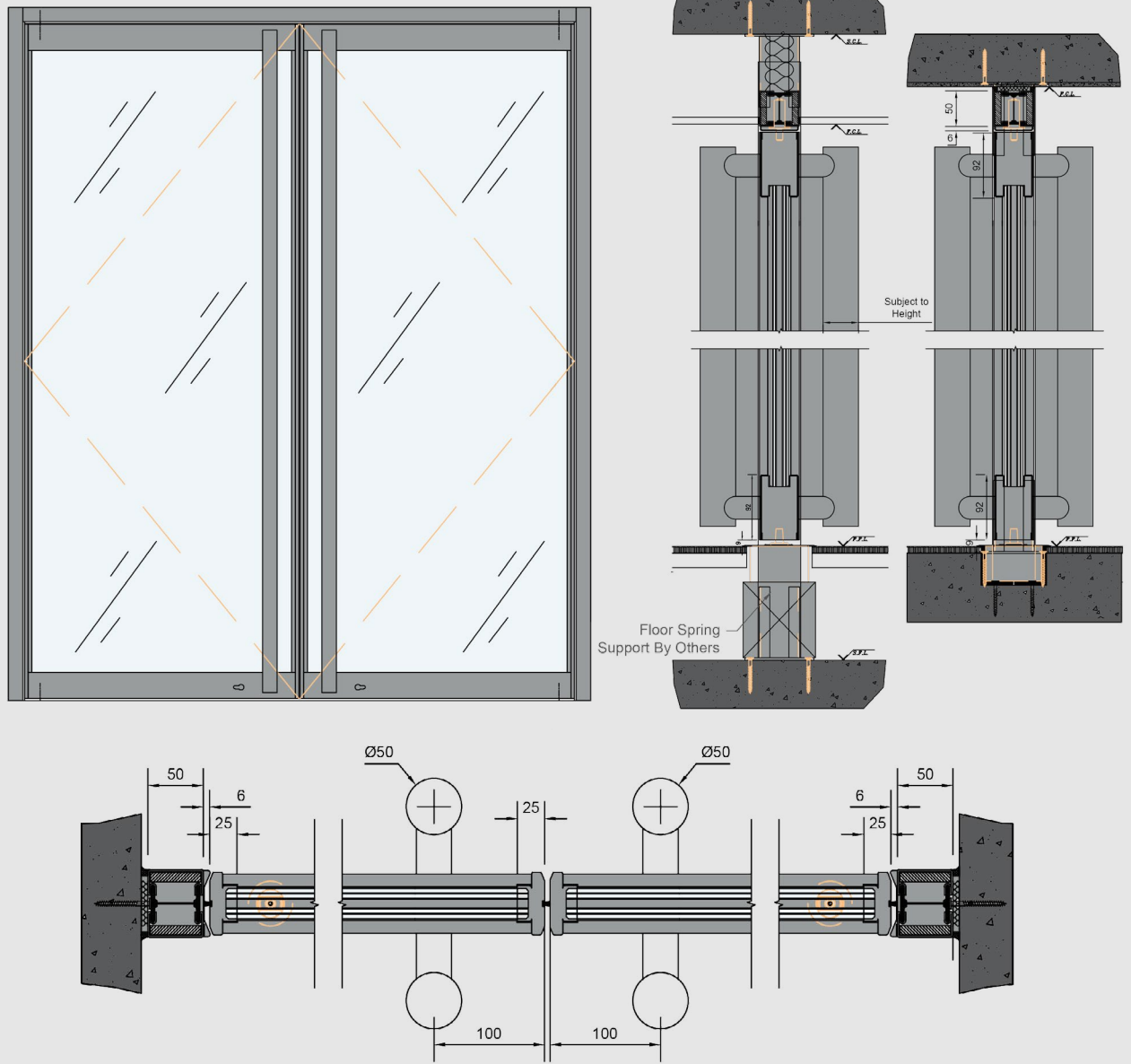


## PYROSEC® DOOR DIMENSIONS

	Minimum	Maximum
Width	400	1000
Height	1950	2500
Side Panel	400	Unlimited (1000 modules)
Over Panel	400	1000

# PYROSEC® EI60 Double Door

The PYROSEC® EI60 steel framed double fire door provides up to 60 minutes integrity and insulation fire protection. With a large glazed vision panel, tall stainless steel handle along with an array of optional configurations (pages 8-12), including over panels and side panels, the PYROSEC® Door is suitable for a variety of applications.

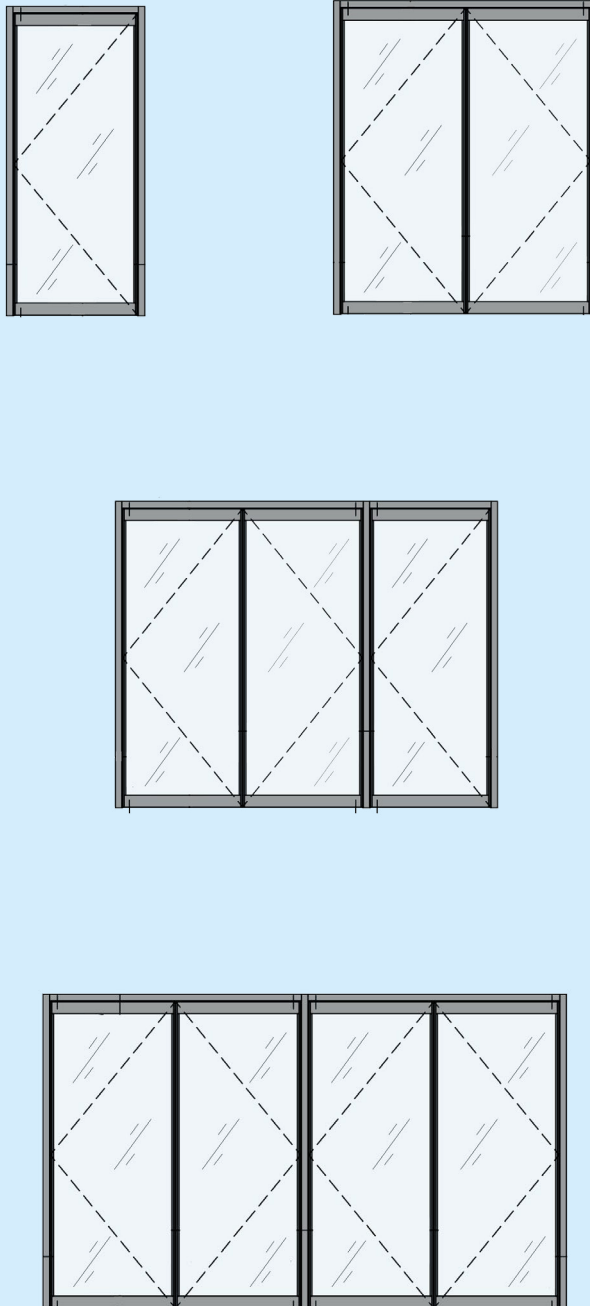


## PYROSEC® DOOR DIMENSIONS

	Minimum	Maximum
Width	400 (per leaf)	1000 (per leaf)
Height	1950	2500
Side Panel	400	Unlimited (1000 modules)
Over Panel	400	1000

## Door Configurations (EI30 & EI60)

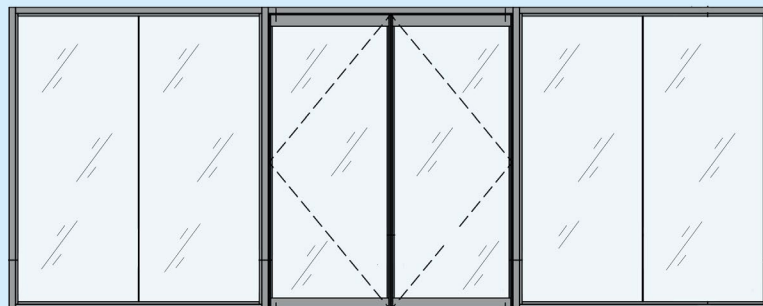
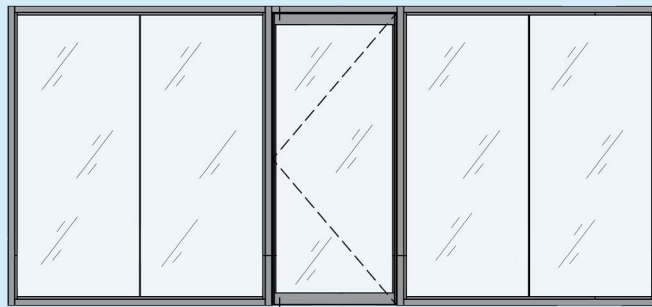
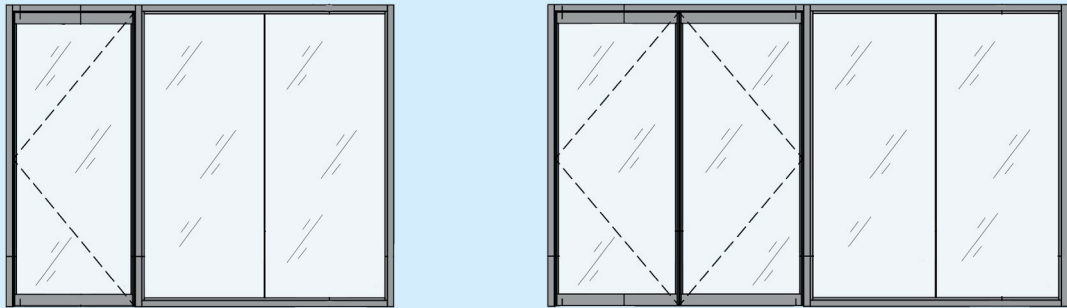
There are a variety of side panels available with the PYROSEC® range of single and double fire doors specifically designed to complement the doors and unlock new design opportunities and configurations for specifiers without compromising on aesthetics. Available with both the single and double leaf fire doors, the side panels maximise light transmission within buildings rails are available in any RAL colour to match interior decor.





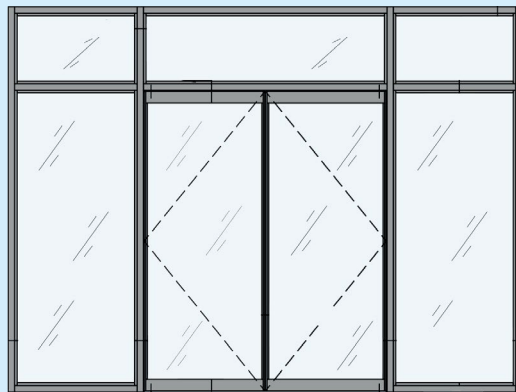
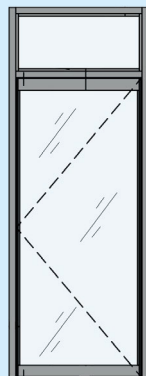
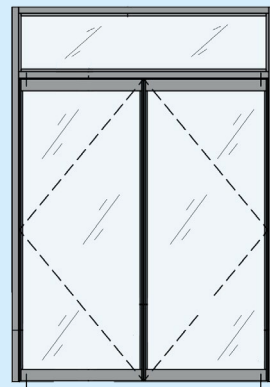
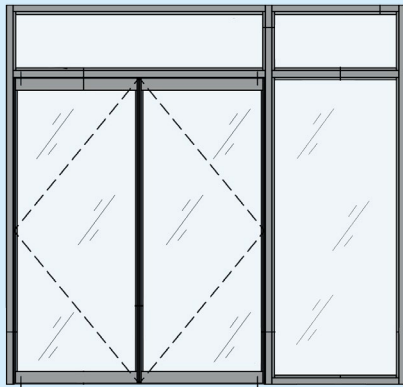
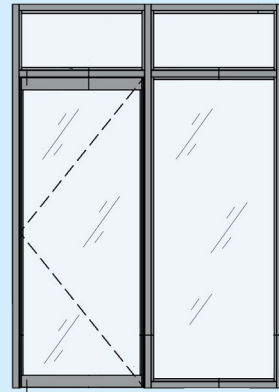
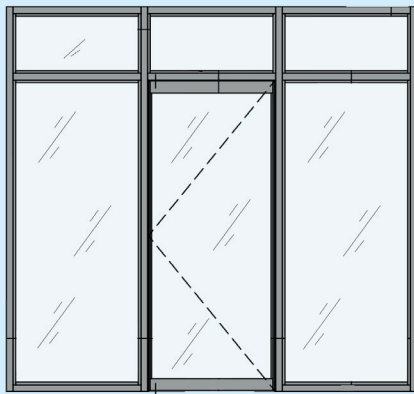
## Door/ Screen Configurations (EI30 & EI60)

There are a variety of side panels available with the PYROSEC® range of single and double fire doors specifically designed to complement the doors and unlock new design opportunities and configurations for specifiers without compromising on aesthetics. Available with both the single and double leaf fire doors, the side panels maximise light transmission within buildings rails are available in any RAL colour to match interior decor.



## Over Panels (EI30 & EI60)

There are a variety of side panels available with the PYROSEC® range of single and double fire doors specifically designed to complement the doors and unlock new design opportunities and configurations for specifiers without compromising on aesthetics. Available with both the single and double leaf fire doors, the side panels maximise light transmission within buildings rails are available in any RAL colour to match interior decor.



# Additional Door Options

There a variety of additional options and configurations available with the PYROSEC® range of fire doors to improve safety, client convenience or aesthetics or for specific project requirements. this includes magnets, locks, glazing bars, overhead closers and finishes.

## High Security Electronic Locking System

The electronic side load lock is a motor driven electronic lock to secure the doors in a variety of environments. It has the ability to pull the PYROSEC® Doors in tightly against a seal and will release instantly when requested, even with excessive load on the door. The lock maintains a high level of security with automatic deadbolting, 1,000 kg holding force and a 10mm thick stainless steel bolt pin. The specification is 3E Security SA66 (for single action doors) and DA66 (for double action doors).

## Surface Mount Magnet

Surface mount magnets secure and provide access controls for PYROSEC® Doors. The magnet has a discrete exterior finish and the specification is 3E Security Series 550.

## Overhead Fire Door Closers

Overhead Fire Door Closers are available with the PYROSEC® Doors which are designed to ensure the fire door is shut once a person has passed through it to limit the spread of fire throughout a building. This solution can be manual or electric hold open similar to floor springs and the specification is Geze TS4000 (elbow farm) or TS5000 (slide arm).

## Anti-finger Trap Assembly

Designed to improve safety within buildings, especially schools, the Anti-finger trap assembly conceals the corners of the door and is available with all PYROSEC® Door configurations.

## Offset pivots

Allows the door to open beyond 90 degrees.

## Glazing Bar

Vertical and horizontal Georgian glazing bars are available with PYROSEC® Doors, side panels and over panels for aesthetic appeal. Available in stainless steel or PPC, they are available in 16mm, 19mm and 25.4mm thicknesses.

## Handle Options

Standard 'T' full height handles are supplied as standard. The diameter is 38mm (for door heights up to 2090mm), 45mm (for door heights up to 2690mm) and 50mm for doors over 2690mm high. Mitred and 'D' type handles are also available.

## Corner Posts

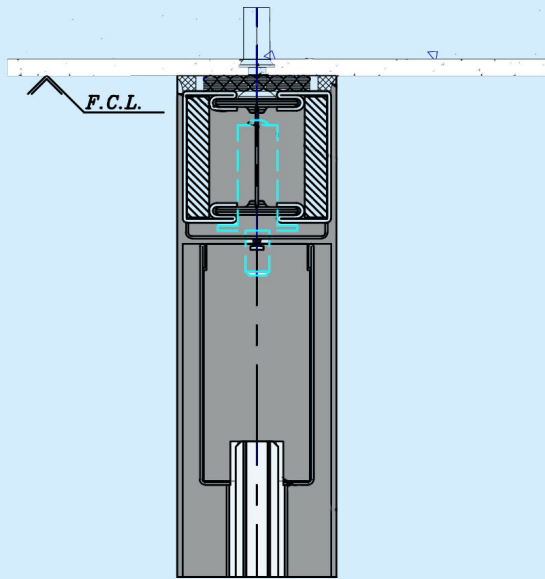
Available for 90 degree returns.

## Deflection Head

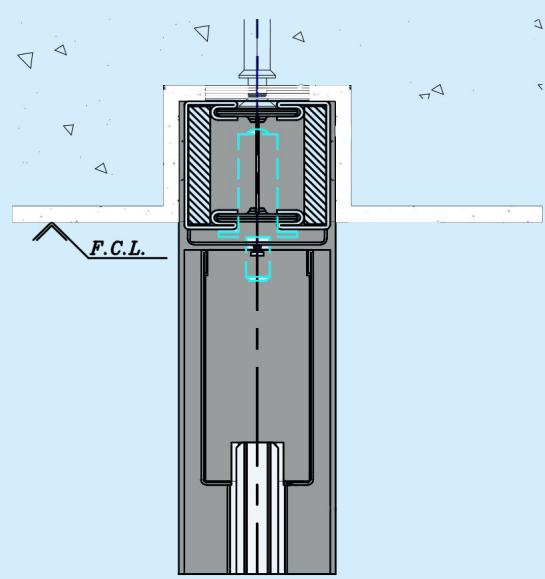
Deflection heads allow for +/- 20mm movement within the structure at the head of the partition.

# Installation Conditions: Direct Fix

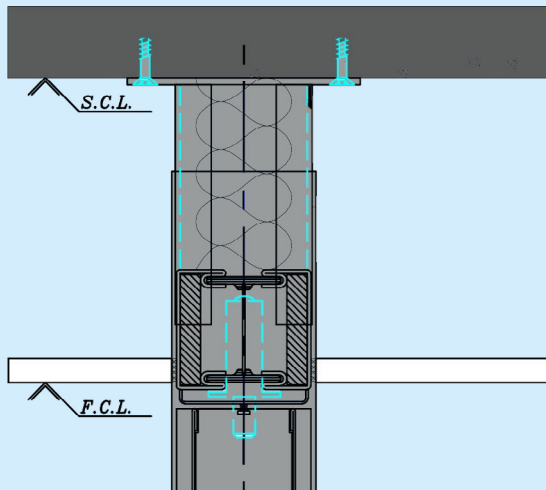
Recessed Concrete Beam/Slab



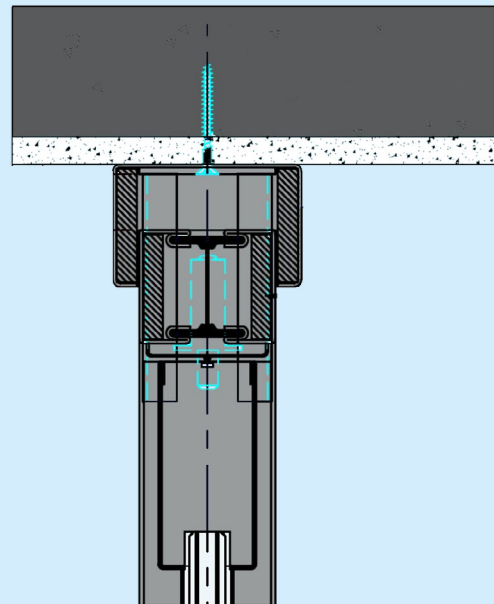
Plastered Concrete Beam/Slab



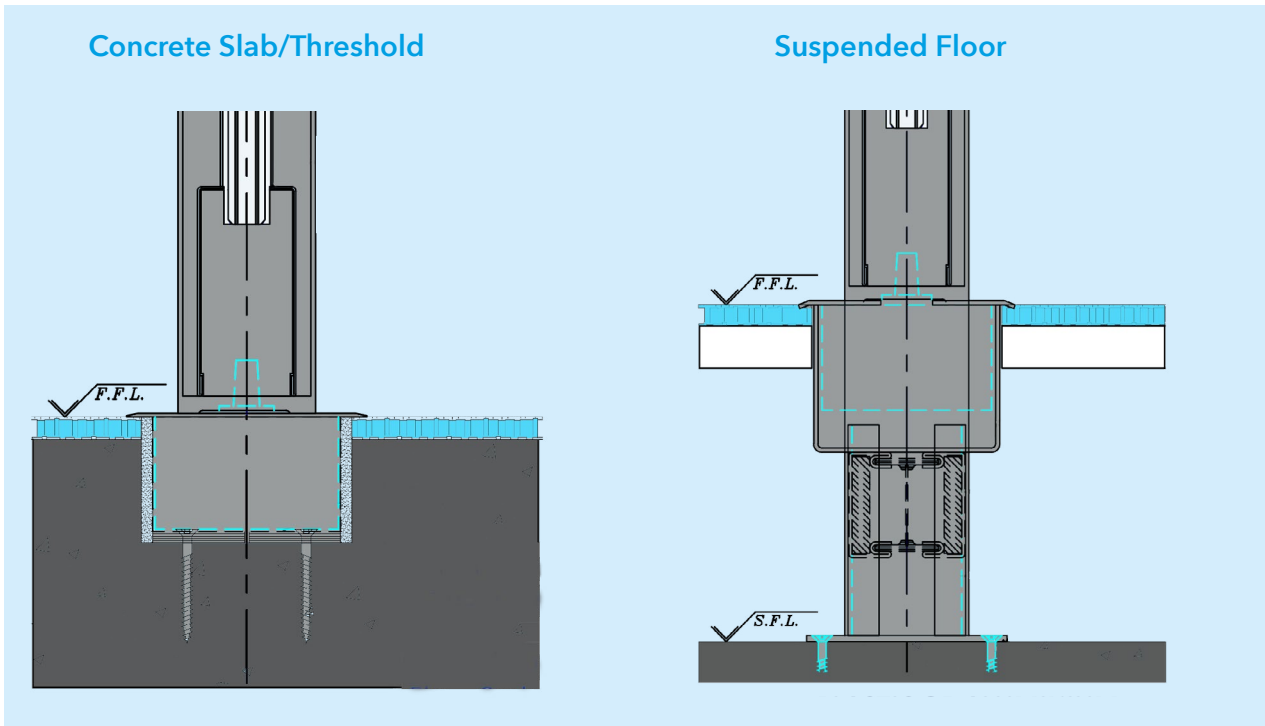
Suspended Ceiling



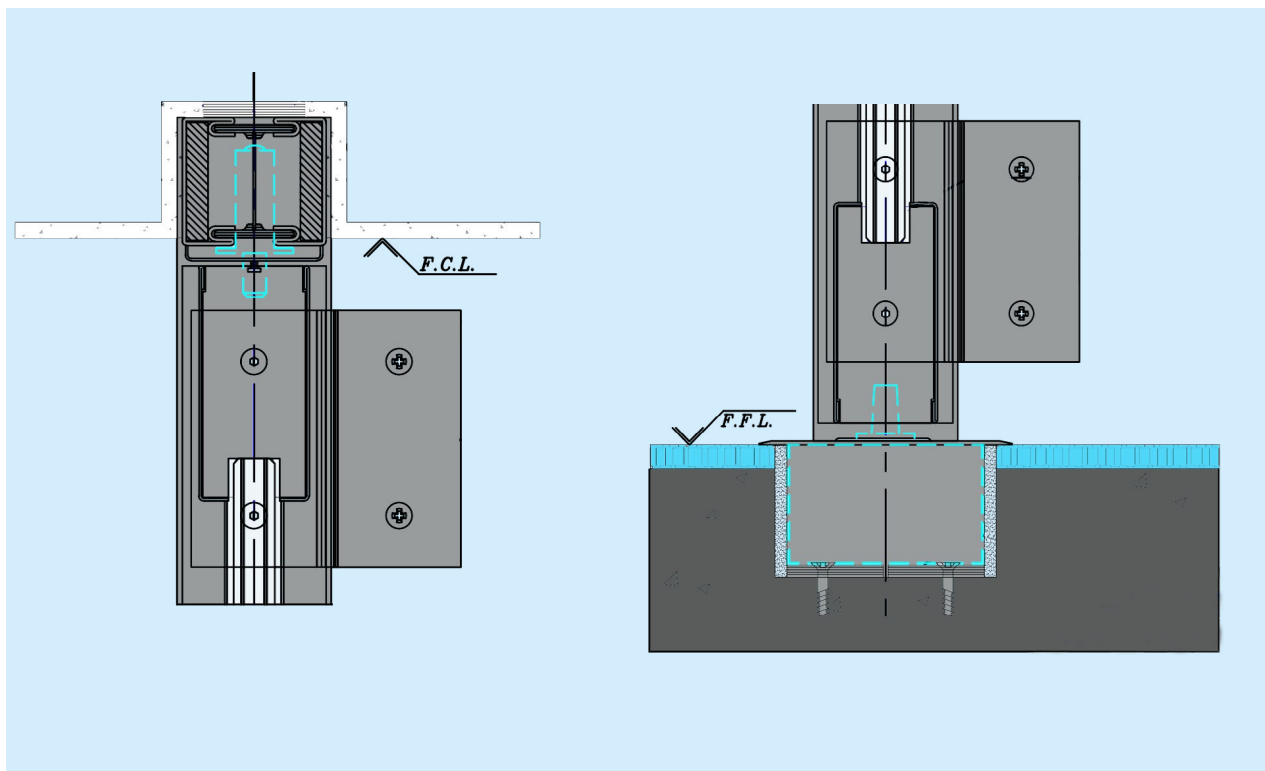
Deflection Head



# Installation Conditions: Direct Fix



# Installation Conditions: Offset Fix



# Design Benefits and Product Traceability

## The leading reference in passive fire protection

Promat is a leading global manufacturer of passive fire protection solutions with a heritage spanning over 50 years, therefore a Promat solution is guaranteed to provide maximum assurance and peace of mind.

### Promat PYROSEC® Fire Door 360 degree Wheel of Assurance

To prevent product substitution and poor installation, Promat UK introduced the 360° Wheel of Assurance for PYROSEC® Fire Doors

Promat’s technical experts provide guidance on the right approach at the design and specification stage. The doors are supplied directly by Promat and fitted by a network of approved installers to increase supply chain traceability. The doors are inspected upon completion to ensure it has been installed in accordance with Promat recommendations and a certificate of conformity is provided.



#### FIRE RESISTANCE



EI30 (integrity and insulation) and EI60 fire ratings available

#### FULLY TESTED SOLUTION



A fully tested and certified system.

#### MAXIMUM AESTHETIC APPEAL



Large clear glazing in combination with lightweight framing.

#### SIDE SCREENS AND OVERPANELS



Side screens and over panels available to create a bespoke solution.

#### ADDITIONAL DOOR OPTIONS



A variety of optional fittings to meet a variety of project requirements.

#### LARGE SIZES AVAILABLE



PYROSEC® Doors are tested to large sizes.

#### SUPPLY CHAIN TRACEABILITY

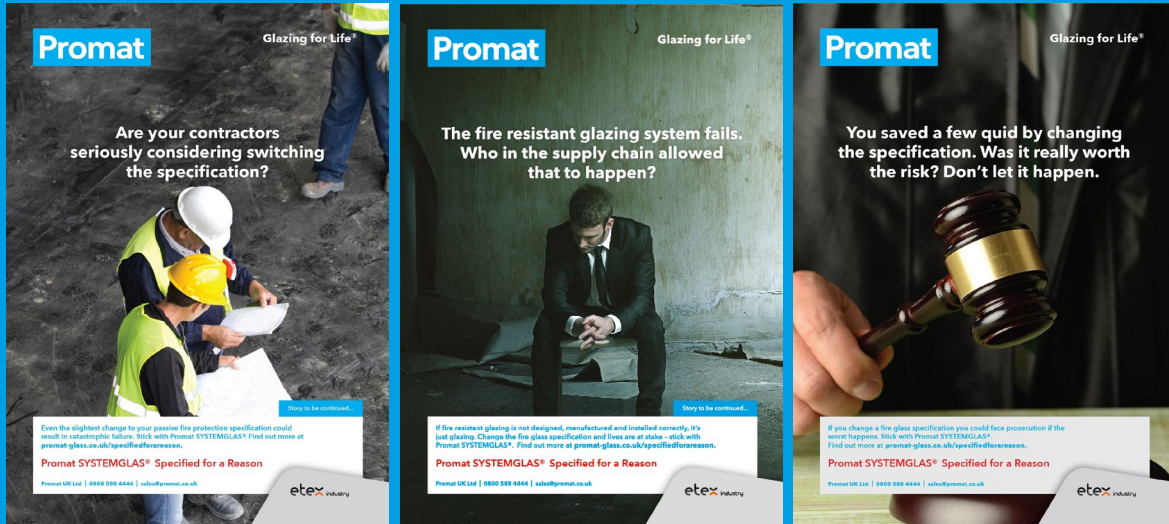


Promat doors and systems provide reassurance and traceability..

# Resources

## 'Specified for a reason®' Campaign

Promat initiated the hard-hitting 'Specified for a reason®' campaign to challenge product substitution in the industry and emphasise the importance of using a fully certified system.



## CPD Presentations

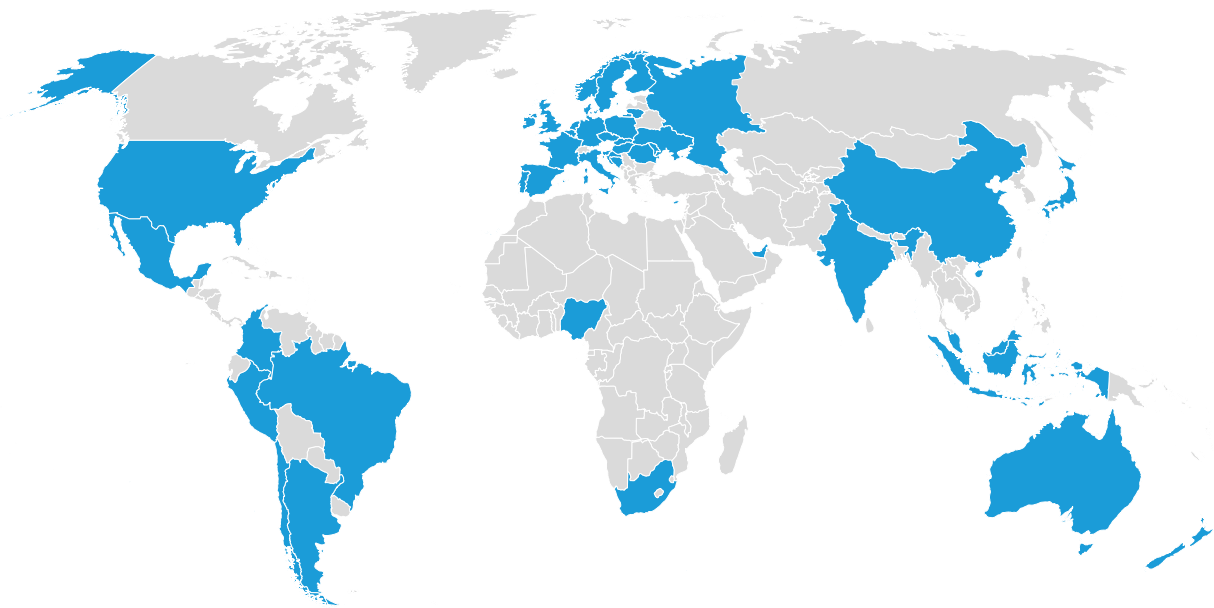
Promat offer a variety of educational resources, including the RIBA-approved 'The Burning Question' fire rated glass CPD and the SYSTEMGLAS® CPD delivered at your office or online.

## Introducing Promat SYSTEMGLAS®

Promat SYSTEMGLAS® is a market leading butt jointed integrity and insulation (EI) fire rated glazing system. It is the first system of its type introduced in the UK, eliminates the need for heavy and unsightly frames and can achieve unlimited runs of aesthetically pleasing glass to open up new dimensions of design freedom for building interiors.

As part of the SYSTEMGLAS® 360 degree wheel of assurance, Promat's technical experts provide guidance on the right approach at the design and specification stage, and the system is manufactured in-house to ensure all cutting and processing is completed to the correct standard. Concluding the wheel, Promat inspects SYSTEMGLAS® on completion to ensure it has been installed in accordance with its recommendations and provides a certificate of conformity for installation.





## Benefit from 60 years of experience

Promat is the leading reference and pioneer in the fields of fire, thermal, and acoustic protection. With a strong global presence and 60 years of experience, innovation and know-how, Promat UK is the first choice for fire rated doors and glazing systems.

## Global sales & technical support

Promat has more than 1,300 employees spread over 13 factories, 40 sales offices and 2 innovation centres worldwide. The company is part of Etex Industry, a division of the Belgian industrial group Etex, specialised in the manufacture and supply of construction materials.

## Sales offices and production facilities

Australia, Austria, Belgium, Brazil, Bulgaria, China, Chile, Colombia, Czech Republic, Denmark, France, Germany, Hong Kong, Hungary, India, Ireland, Italy, Japan, Kazakhstan, Lithuania, Malaysia, The Netherlands, Peru, Poland, Romania, Russia, Serbia, Singapore, Slovakia, South Africa, Slovenia, South Korea, Spain, Switzerland, UAE, UK, USA.

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