

The logo for Urban Square, consisting of the words "URBAN" and "SQUARE" stacked vertically in a bold, sans-serif font, enclosed within a white square with a blue border.

URBAN
SQUARE

FIRE RATED PARTITIONS / FIRE SCREENS

Fire safety is a main priority for commercial and residential buildings meeting strict building guidelines. Urban Square are leading installers of Fire Rated glass partitioning which can be combined with other standard glazing systems.

www.urbansquare.net

We are dedicated to giving you the very best product and service with a focus on quality and affordability.

Urban Square offer a wealth of knowledge and experience within the architectural glass industry. Our friendly team is made up of project managers and skilled operatives, many who have worked in the glass industry for over 25 years.

We serve customers from across the UK, building long term relationships as their glazing systems partner for current and future projects.

We work with architects, designers, main contractors, interior fit out companies and direct with end users in Commercial, Industrial and the Domestic sector. We offer the widest range of glazing systems on the market and are not tied to any one manufacturer enabling us to ensure each project is matched with the optimum fitting system.

Our ethos is simple, to provide the best solution at the most affordable price.

We hope you enjoy our finished product as much as we enjoy providing them to you. If you have any questions or comments, please don't hesitate to contact us.

Fire rated glass partitioning meets 2 classifications, Integrity - E and Insulation - EI as detailed in the European standard EN357. These requirements are usually listed in minutes, i.e. 60/30 means 60 minutes Integrity and 30 minutes Insulation.

E: Integrity

Category E - Integrity is the ability of the glass partition to form a barrier to prevent the passage of flames or hot gases through the glass when exposed to fire on one side and to prevent the occurrence of flames on the unexposed side. Glass in category E: Integrity offers effective protection from flames and smoke but does not prevent the transmission of heat in the event of a fire.

EI: Integrity and Insulation

Category EI - Insulation offers the highest level of protection from flames, smoke and heat. The glass performs to the standard E when in it also restricts temperature rise on the unexposed face to below the required standard when exposed to fire on one side.

Whether designing a commercial or residential building, compliance with the minimum standard of UK Building Regulations is required. Selecting the correct specification of fire safety glass can help to ensure you not only meet, but exceed the minimum level of protection for both people and property.

Urban Square are leading installers of Fire Rated glass partitioning systems with framed or frameless glass joints to use in isolation or to combine with other standard glazing systems. Fire rated glass ranges in thickness from 5mm toughened glass for E30 application up to 52mm laminated glass for specialist EI120 application. Thicker laminated glass options offer higher acoustic performances due to their multiple pane design with sound absorbing clear interlayers between each pane.

We are happy to provide specific details on any type or brand of fire glass. We work with all manufacturers such as Scott, Pilkington, AGC Glass, ESG & Pyroguard.

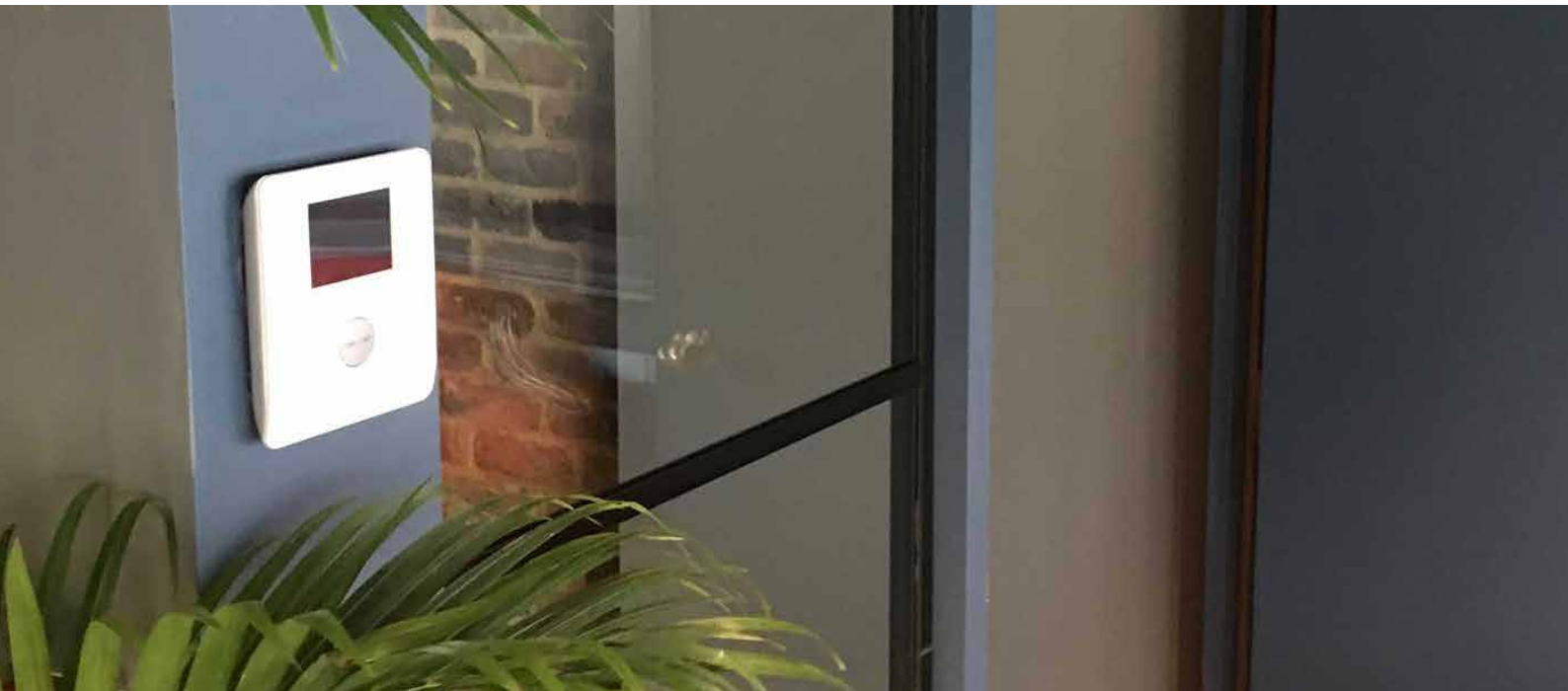
30 minutes integrity, 0 minutes insulation - 30:0

Glass options depend on whether the partition design is for a series of individual framed panels or for a continuous glass appearance with an outer frame with multiple glass panels.

For individual framed panels you can choose from Pyrotech® 30, Pyrobelite®, Pyroguard® and Pyran® S. For butt jointed panels you can choose from Pyran® S, Pyroguard® and Pyroclear.

The frame and door system is generally RAL polyester powder coated steel or stainless steel such as those from RP Technik GmbH <https://www.rp-technik.com/en> and Forster Profile Systems <https://www.forster-profile.ch/gb-en/home.html>

There is a wide choice of both glass options and glazing systems available so depending on the design, the location and the specific fire rating requirements we would fine tune the shortlist to the most appropriate systems based on overall cost and appearance.



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Please contact us for a no obligation quote and survey if required.
Call 01707 657872 or email sales@urbansquare.net

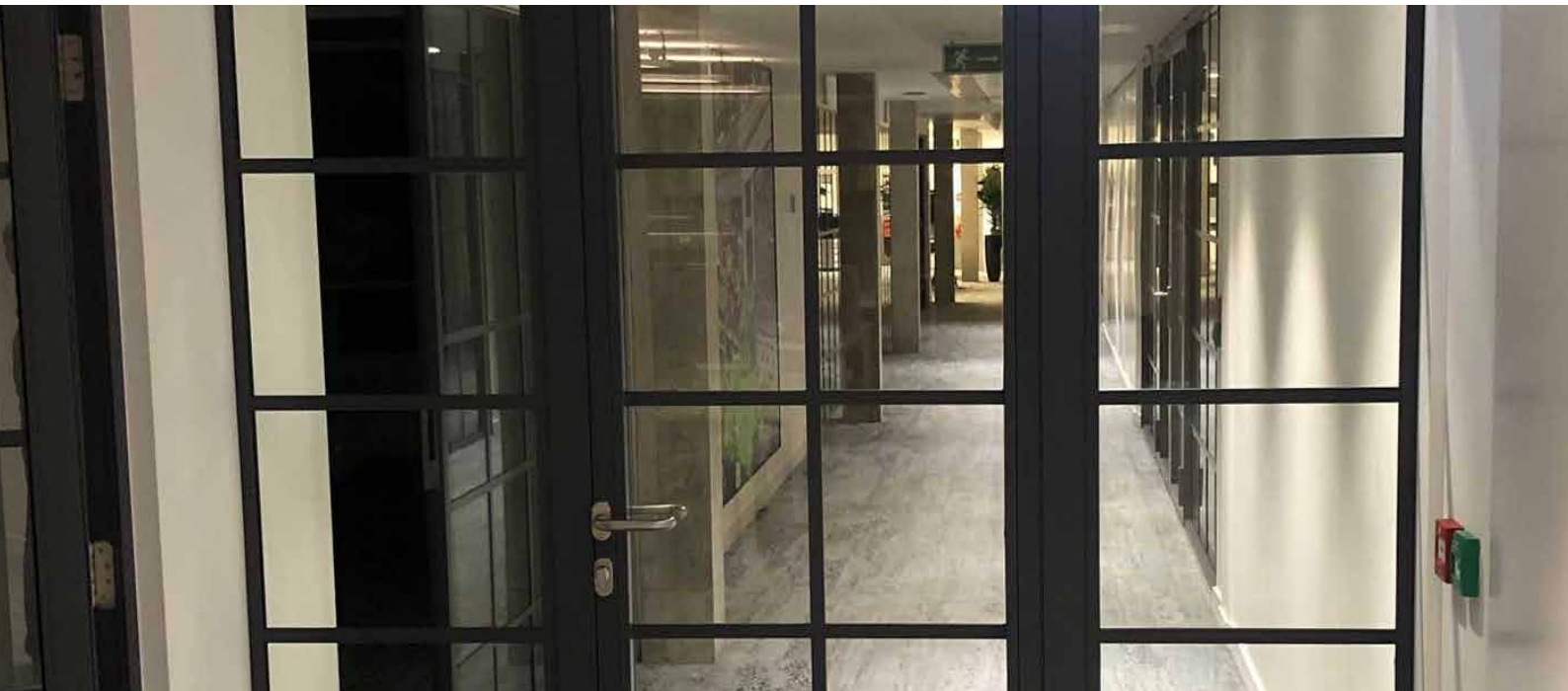
30 minutes integrity, 30 minutes insulation - 30:30

Glass options are limited to thicker laminated panels which offer insulation as well as improved acoustics. The panels can be both fully framed or butt jointed. The frame system is RAL polyester powder coated steel or stainless steel with the inclusion of a fully intumescent taped perimeter to both faces and intumescent silicone/cement/taped joints between the glass panels.

Glass options are Pyranova®, Pyroclear®, Pyrostop®, Pyroguard® and Pyrobel® in specific thicknesses.

The frame and door system is RAL polyester powder coated steel or stainless steel such as those from RP Technik GmbH <https://www.rp-technik.com/en> and Forster Profile Systems <https://www.forster-profile.ch/gb-en/home.html>

There is a wide choice of both glass options and glazing systems available so depending on the design, the location and the specific fire rating requirements we would fine tune the shortlist to the most appropriate systems based on overall cost and appearance.



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60 minutes integrity, 0 minutes insulation - 60:0

Glass options depend on whether the partition design is for a series of individual framed panels or for a continuous glass appearance with an outer frame with multiple glass panels.

For individual framed panels you can choose from Pyrotech® 60, Pyrodur® 60, Pyrobel®16, Pyroguard® and Pyran® S in thinner thicknesses.

For butt jointed panels you can choose from Pyran® S, Pyroguard®, Pyrobel®16 and Pyroclear® in 10 or 12mm thickness with special stainless steel button clamps integrated into the glass to glass joints.

The frame and door system is RAL polyester powder coated steel or stainless steel such as those from RP Technik GmbH <https://www.rp-technik.com/en> and Forster Profile Systems <https://www.forster-profile.ch/gb-en/home.html>

There is a wide choice of both glass options and glazing systems available so depending on the design, the location and the specific fire rating requirements we would fine tune the shortlist to the most appropriate systems based on overall cost and appearance.



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60 minutes integrity, 60 minutes insulation - 60:60

Glass options offering 60 minutes insulation are limited to very thick laminated panels with a high acoustic performance. The heavy glass panels can be fully framed or butt jointed. The frame system is steel or stainless steel with the inclusion of a fully intumescent taped perimeter to both faces and intumescent silicone/cement/taped joints between the glass panels.

Glass options are Pyroclear®, Pyrostop®, Pyroguard®, Pyranova® and Pyrobel® in specific thicknesses.

The frame and door system is generally RAL polyester powder coated steel or stainless steel such as those from RP Technik GmbH <https://www.rp-technik.com/en> and Forster Profile Systems <https://www.forster-profile.ch/gb-en/home.html>

There is a wide choice of both glass options and glazing systems available so depending on the design, the location and the specific fire rating requirements we would fine tune the shortlist to the most appropriate systems based on overall cost and appearance.



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In addition to providing glazed fire screens we also provide manifestation to the glass.

When it comes to building regulations, glass offices and partitions must meet the minimum health and safety standards. Whilst it would be nice to see a long run of perfectly clear glazing, the invisibility of glass in a commercial environment poses a safety risk to visitors and staff. The minimum DDA requirement for commercial glazing is 2 levels of manifestation between 850-1000mm and 1400-1600mm from the floor. This can be in the form of a simple band of frosted dots or squares applied to one face of the glass or it can be in the form of logos or a decorative pattern. limited due to the performance requirements and type of glass/manifestation chosen.

We can also provide more detailed and colourful manifestations however with fire screens these can be limited due to the performance requirements and type of glass/manifestation chosen.

We are happy to quote for your manifestation requirement and to advise what is possible when using fire rated glass.



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