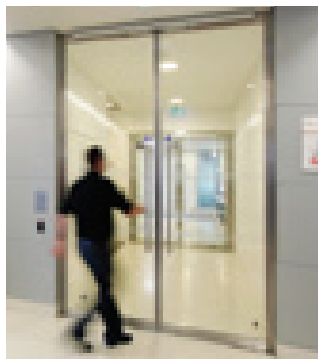


VERT PROJECTS



INTEGRITY • INSULATED • ACOUSTIC • SECURITY *Inspirational Specialist Door Solutions*



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THE
PYROSTYLE
FAMILY

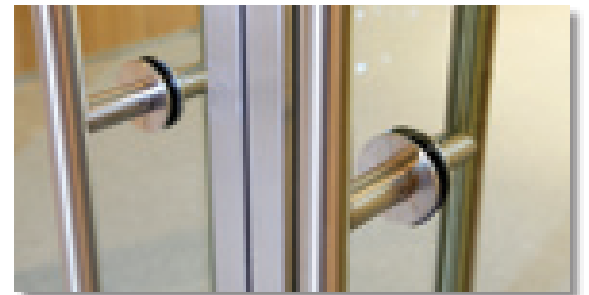
FIRE RATED DOORS & SCREENS



I N T E G R I T Y • I N S U L A T E D • A C O U S T I C • S E C U R I T Y

THE PYROSTYLE FAMILY

FIRE RATED DOORS & SCREENS



Pyrostyle Integrity and Insulated fire rated doors and screens bring a distinctive solution to your building. The 60 minute integrity door can be manufactured to an impressive 3 metres high and all products are tested to the new European Standards (EN 1634:1 -2000).

With maximum glazed elements and sleek, minimal profiles in stainless steel or mild steel powder coated coloured finish, the Pyrostyle fire door system also

delivers on aesthetic appeal. Our extended product portfolio now includes a specially designed fire door with acoustic properties, retail security door and additional benefits to our whole Pyrostyle range.

Whatever the commercial application; from fire doors and lobby screens in the iconic Shard to security doors at Westfield, Stratford, specify the Pyrostyle Family for unrivalled protection and an element of inspiration.

Pyrostyle E30/E60 Series Integrity Fire Door:

The Pyrostyle Integrity fire door and screen system combines inspirational design flair with performance rated protection for a distinctive solution to your building. This unique range of doors and screens will enhance any design objectives whilst maintaining regulatory fire security. Furthermore, the Pyrostyle system is the first in the UK to pass the new EN Standards (EN 1634-1: 2000) of up to 60 minutes integrity.

Manufactured to an imposing height of 3 metres, these doors and screens offer an exciting opportunity to add scale to a functional necessity.

The Pyrostyle system enables you to transform a requirement into an impressive feature by creating multiple screen and entrance combinations.

With maximum glazed elements and sleek, minimal profiles in stainless steel or mild steel powder coated coloured finish the Pyrostyle system will add aesthetic appeal to any building.

Whatever the commercial application; from escape corridor to lift lobby or shopping mall, choose the Pyrostyle integrity rated fire door and screen system for guaranteed inspiration.

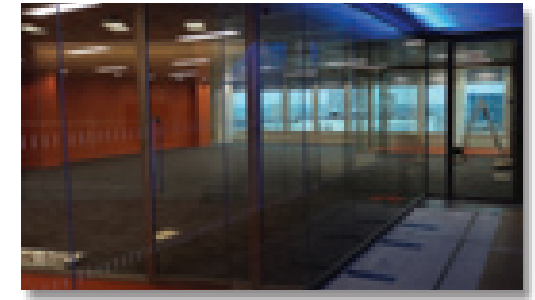


PYROSTYLE E30/E60 SERIES INTEGRITY FIRE DOOR



Benefits at a glance:

- Up to 60 minutes integrity ensuring public safety in the event of fire
- Maximised glass with minimum profiles creating an elegant appearance
- Sleek-look non-rebated frame enabling double action doors for ultimate flexibility
- Stainless steel or mild steel powder coated coloured as standard (other finishes available on request)
- Ironmongery: full height vertical handles or back-to-back through glass handles for a strikingly different design choice and flexibility
- Single, double, multiple sets or fixed screens and glazed over panels
- Up to 3 metres high for architectural impact
- First manufacturer in the UK to meet new EN Standards (EN 1634-1: 2000) for unrivalled guaranteed protection
- Compatible with electric mag-locks and shear locks for access control



Pyrostyle Acoustic Door

- A Pyrostyle Integrity door with acoustic reduction via rebated surround frame sections
- Various glass types available providing up to Rw 38 dB rating noise reduction
- Offset pivots & full height handles
- Closed door provides acoustic seal whilst maintaining fire rating and elegant design
- Ideal for office partitions

Pyrostyle Cold Smoke Door

- Continuous vertical brush on centre line of door
- Horizontal brush mounted in the top frame
- Continuous horizontal brush in bottom of door



Pyrostyle Hot Smoke Door

- Substitute brush for Elastomeric blade with intumescent compound

All stiles and rails to Pyrostyle standard





CASE STUDY:

The Shard

Developer: **Sellar Property Group**
Contractor: **Mace**
Customer: **Glazzard**
Architect: **Renzo Piano Building Workshop with Adamson Associates**

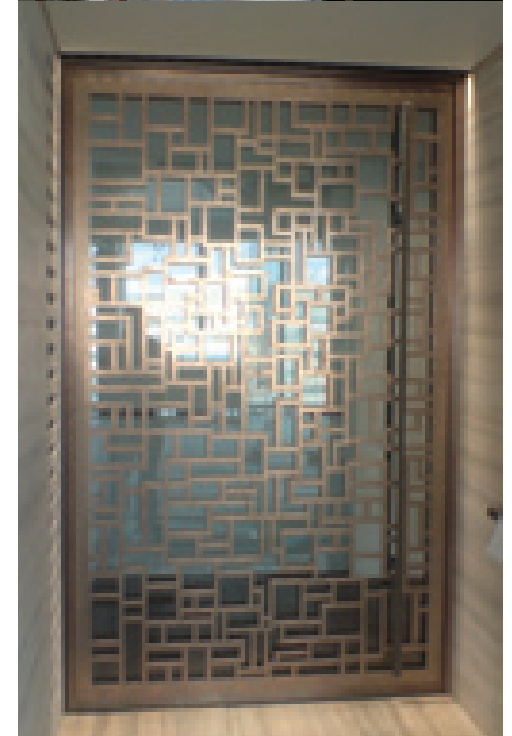


The Shard is destined to be the capital's most dynamic building capturing the attention of the world. Transforming London's skyline with a mixed-use 310 m (1,016 ft) vertical city of high-quality offices, world-renowned restaurants, the 5-star Shangri-La hotel, exclusive residential apartments, and the capital's highest viewing gallery offering 360° views, The Shard is iconic.

Vert Projects has designed, manufactured and installed 55 Pyrostyle lift lobby screens. These comprise Pyrostyle Integrity fire doors on the ground floor and the three Restaurant floors (floors 31 – 33) and Pyrostyle smoke doors and screens on all the office floors in this amazing development.

The original designs for the fire rated doors included large frames and stiles with hinges that had structural fixings issues. We invited the architects to view our doors for KPMG's headquarters, as set up at the factory in Ashford, and they were impressed with the aesthetic appeal of the slim stiles, no hinges, and a structural floor-to-floor connection solution. The architect then developed an angle frame glazing bead which has added elegance to the side screens. When the fire strategy for the building was changed and only smoke doors were required for the office floors the Pyrostyle design for these doors was kept. 60 minute fire rated doors and screens were also required for the Restaurant levels 31 – 33.

Image right: prototype 60 minute fire rated residential entry doors with intricate bronze grille





CASE STUDY:

KPMG HQ, Canary Wharf

We manufactured and supplied 49 double sets of Pyrostyle doors for the corridors and 31 double sets with side screens to protect the lift lobbies for the KPMG corporate HQ in Canary Wharf. Design challenges in the architect's detailing included the stainless steel cover for the maglocks for access controls and stainless steel posts housing the proximity readers. Another requirement was a custom made door stile.

Contractor: **ISG**

Customer: **Radii Partitioning Ltd**

Architect: **Swanke Hayden Connell**

The product was installed by Radii, who had already been contracted for their high specification partitioning. A detailed method statement was provided including solutions for the frames and doors to be installed as late in the process as possible in order to minimise any risk of damage. KPMG is another example of our design expertise and flexible approach, which resulted in a strategic alliance with Radii.



CASE STUDY:

Nomura - Watermark Place

Contractor /

Customer: **Sir Robert McAlpine**

Architect: **Fletcher Priest**

- Doors & Atrium Screens
- 32 sets of Pyrostyle E30 doors and screens
- Includes 9 sets over 3m high

Watermark Place was a speculative office development overlooking the River Thames with views of both London and Tower Bridge. Pyrostyle was chosen for its elegant slim styles and the ability to fulfil the design specification of 3m high integrity doors without an over-panel (transom).



Internally the stunning atrium and scenic lifts are protected by glass screens at the rear of the lift shafts. These appear to be coming out of the floor with no support fixings adding to the dramatic effect. The design and quality of the build ensured the developer quickly let the entire building to Nomura.





CASE STUDY:

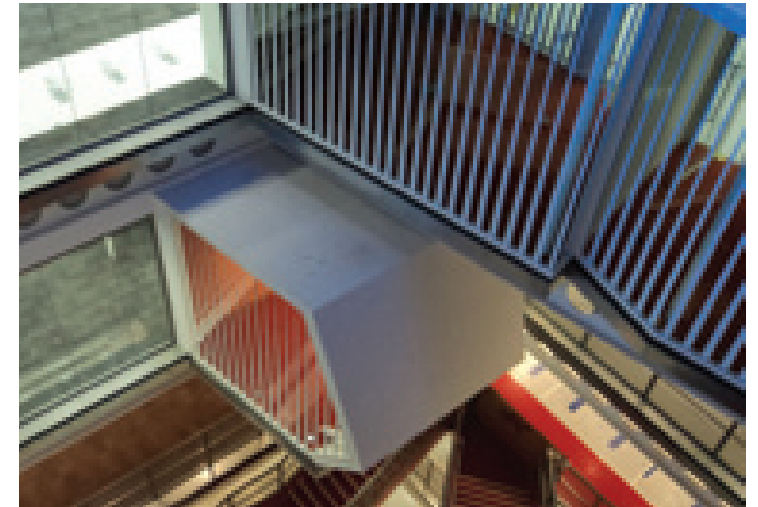
Bank of Tokyo - Mitsubishi Ltd, London

Customer: **Radii**

Architect: **T P Bennett**

- 1st and 2nd floor Pyrostyle fire rated doors and screens
12m wide by 3m high
- 14th floor Pyrostyle fire rated doors and screens
3m wide by 3m high
- Exceptional quality and our exacting standards
throughout





CASE STUDY:

Macquarie Group plc, Ropemaker Place

Customer: **Radii**

Contractor: **Overbury**

Architect: **Pringle Brandon**

- 190m of 12mm Pyrostyle 30 minute fire rated screens for internal office areas
- 25m of 19mm Pyrostyle fire rated screens adjacent to the atrium
- 36 Pyrostyle Acoustic 30 minute fire rated doors some with special integrated security posts as part of the door frames

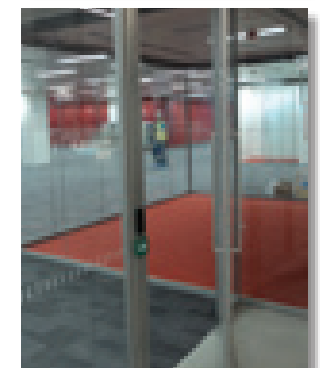
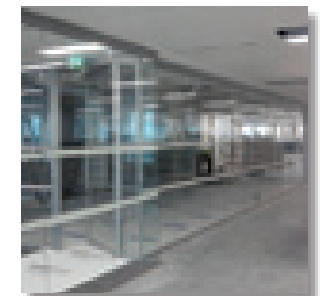
Macquarie Group is a leading provider of banking, financial, advisory, investment and funds management services. With global operations including offices in the world's major financial centres, this Bank from Australia chose their London HQ on floors 6 to 11 at the Ropemaker Place development.

The inspiring design of the meeting room 'pods' which 'hang' off all the floors forming a central atrium creates a stunning impression. However, the trading areas needed protection from both fire and sound. We developed a new Pyrostyle Acoustic door that had the necessary fire and acoustic ratings.

This was achieved using 'off set' pivots so the doors closed against a frame with additional seals.

Further challenges included the design live load deflection of the structure and special fixings were developed as a solution. We also had to use special fire rated glass for some of the areas adjacent to the atrium which needed fire rating and horizontal crowd load protection.

This project demonstrates Our dedication to developing market-led products. The Integrity Acoustic door is a welcome addition to the Pyrostyle Family and the perfect solution for modern offices.





Regent's Place

The Pyrostyle Insulated fire door and screen system ensures safe escape routes whilst achieving sophisticated elegance. This fully insulated range of glazed doors and screens incorporates protection from heat radiation for up to 60 minutes and 120 minutes of integrity.

As the first fire door system in the UK to achieve the new EN standards (EN 1634-1: 2000) the Pyrostyle range provides exceptional fire rated insulation that

conforms to building regulations whilst allowing impressive design adaptability. Create a stunning feature by building multiples of doors and fixed glazed panels with a choice of stainless steel or mild steel powder coated coloured finishes. Whatever the commercial application; from public area to staircase enclosure or building separation screen, specify the Pyrostyle insulation rated door and screen range to add an element of inspiration to your building.

P Y R O S T Y L E E I 3 0 / E I 6 0



Musi



Pyrostyle ABS Insulated Ultra EI30/EI60

- Fire rated doors constructed from a system of aluminium sections
- Powder coated to any RAL colour or clip-on stainless steel covers
- Ultra slim frame and profile – 50mm
- Same size frame and stile creates a stunning architectural feature

Peneder Product Partnership

Pyrostyle has partnered with Austrian manufacturer Peneder to develop their ABS range of Insulated doors for the UK market. This innovative strategic alliance also enables us to offer the Peneder range of solid fire doors in the UK and gives you access to our joint fire engineering expertise for any special solutions.

- All doors Tested to EN1634-1 and EN1363-1



/ E 1 2 0 S E R I E S I N S U L A T E D F I R E D O O R

Pyrostyle ABS Insulated Elemental EI30

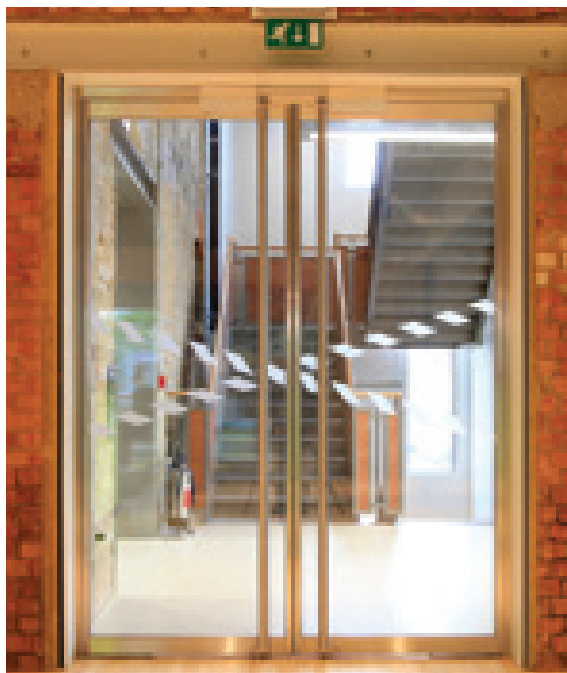
- Economic single leaf design
- Hinges can be installed into existing frame or aluminium painted frames provided



Pyrostyle ABS Insulated Flush Design EI30/EI60

- The ultimate flush glazed insulated door
- All glass module with bold internal profile frame for fittings
- The toughened glass outer frames are enamelled in the area of the integrated internal profile frame





Pyrostyle EW30 Insulated Fire Door:

The Pyrostyle EW30 partially insulated radiation reducing fire door and screen system combines the visual appearance of the E30/E60 series doors whilst also offering protection against radiated heat. The door and screen system complies with the 30 minute integrity and insulation criteria when tested in accordance with Clause 7 of BS476:Part22: 1987.

Benefits at a glance:

- Up to 30 minutes integrity only fire resistance whilst also offering 30 minute protection from radiated heat for use on fire escape routes
- Maximised glass with minimum profiles creating an elegant appearance
- Sleek-look non-rebated frame enabling double action doors for ultimate flexibility
- Stainless steel or mild steel powder coated coloured as standard (other finishes available on request)
- Ironmongery: full height vertical handles fixed through top and bottom door rails
- Single, double, multiple sets or fixed screens and glazed over panels
- Compatible with electric mag-locks and shear locks for access control

The Pyrostyle Secure range of doors and frames is based on the flush glazed visual aspects of the existing Pyrostyle door range but glazed with special attack resistant clear laminated glazing with enhanced style and rail sections to provide a door and frame system complying with the requirements of LPS 1175.

**non fire-rated*

Benefits at a glance:

- Provides resistance against the manual attack requirements of LPS 1175: Issue 7, SR2 Level.
- Maximised glass with minimum profiles for aesthetic appeal
- Sleek-look non-rebated frame enabling double action doors for ultimate flexibility
- Stainless steel or mild steel powder coated coloured as standard (other finishes available on request) Ironmongery: full height vertical handle or discreet fixings on stile for strikingly different design choice
- Single, double and fixed screens
- Up to 3 metres door leaf height and 1200mm door leaf width for maximum architectural impact



PYROSTYLE SECURE* SR2 DOOR AND FRAME SYSTEM



CASE STUDY: Westfield, Stratford City

- Retail security door tested by BRE to LP1175 SR2 standard
- Additional security measure can reduce insurance premium
- Laminated toughened glass with polycarbonate inter-layer
- Highly vandal resistant to manual attack

Westfield's story started in the early 1950s in the western suburbs of Australia. The developers are dedicated to creating environments for shopping and leisure that reflect the area and the local culture. We responded to Westfield's requirements by designing and manufacturing a brand new product – a retail security door. The highly vandal resistant door is perfect for shopping malls and can help reduce insurance premiums.



Usher Gallery

Bespoke entrance and glazed canopy at world famous venue

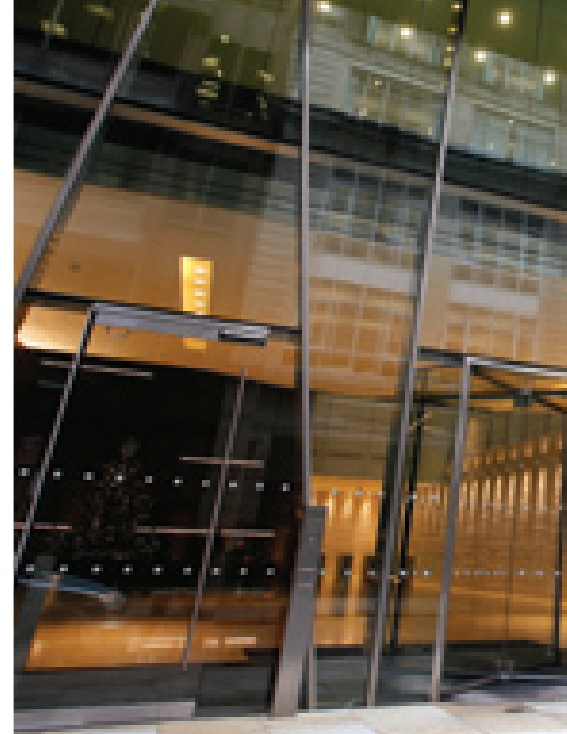
Glass screens around lift shafts, Nomura



Vert Projects rich heritage in providing a bespoke service to developers, architects and designers spans over 65 years. We combine traditional handcrafting skills with advanced machining technology to meet the most exacting building design and architectural specifications.

Our product portfolio includes:

- Entrances & Balanced Doors
- Aluminium Shop Fronts, Windows & Curtain Wall
- Pyrostyle Fire Rated Doors & Screens
- Metal Pressings & Profiles



The Royal Albert Hall

Tottenham Court Road – Aluminium Curtain Wall, Windows & Shop Front

Houndsditch

Corinthia Hotel

Specially commissioned vision panels – fire rated with non-reflective glass in world famous venue

Massimo restaurant entrance canopy



THE **PYROSTYLE**
FAMILY
FIRE RATED DOORS & SCREENS



To find out how the Pyrostyle fire rated product range can add inspiration to your building requirements please contact us for a consultation.

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Email: enquiries@vertprojects.co.uk

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