



الإمارات للزجاج
Emirates Glass

FIRE RATED GLASS AND GLAZED SYSTEMS TESTED THROUGH FIRE AND FLAME



- GLAZED FIRE RATED PARTITIONS/WINDOWS
- GLAZED FIRE RATED SINGLE/DOUBLE LEAF DOORS
- GLAZED FIRE RATED CURTAIN WALL
- GLAZED FIRE RATED SLIDING DOORS

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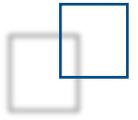
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ABOUT EMIRATES GLASS



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Emirates Glass LLC, a subsidiary of Glass LLC under Dubai Investments PJSC was established in 1997 in Dubai's Al Quoz Industrial area. It was created to support the rapid growth of the local construction industry and has since become a leader in the production of processed architectural flat glass.

At the heart of Emirates Glass operations is the manufacture of tempered glass under the EmiCool® range. This includes solar control, multi-functional Low-E, and standard Low-E glass designed to minimize solar heat gain in air-conditioned buildings in the Gulf region for the EMIFire segment. We have also commissioned an in-house line to fabricate fire rated system (EMIFire).

ABOUT FIRE RATED GLASS AND GLAZED SYSTEMS

"We are your specialists in fire rated glazed system, based on quality from worldwide regulatory standards to ensure you receive premium solutions for your projects and clients."



Emirates Glass has been expanding its product range to cover decorative, environment-friendly, and Life safety glass products that cater to all glass needs.

Emirates Glass has partnered with international manufacturers to provide architects/contractors in the Middle East and beyond with high-performance/tested fire rated glazed systems that combines fire-resistance and design freedom in a unique way. Emirates Glass offers a wide range of third-party tested glazed systems, in Internationally accredited laboratories. Emirates Glass offers various possibilities for architects/ contractors To use fire & life safety glazing in facades, partition walls, doors, and windows that meet international safety and compartmentation.

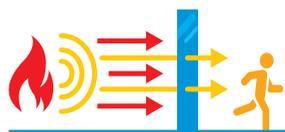
Established in January 2023, the Fire and Safety Glass division at Emirates Glass has been founded with the aim to facilitate high-quality fire rated and acoustic glass products to main contractors and steel door manufacturers in short lead times.

We bring steel and glass into creative harmony in an architectural context, aesthetically exceptional and functionally convincing with no compromise on fire safety and property protection. EMIFire (EW120) brings integrity and radiation control systems which are fabricated in-house and certified under Intertek, a global certification body.

Different from standard safety glass, although offering some of the same high-strength properties, Emirates Glass Integrity (E) glass has been rigorously tested to ensure it can withstand the temperatures reached during a fire and offer effective protection for a stated period.

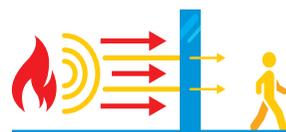


CLASSIFICATION & PERFORMANCE OF FIRE-RESISTANT GLASS



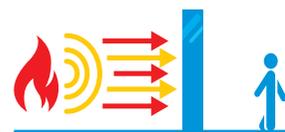
E - Integrity

No flames, smoke, gas.
No heat reduction.



EW - Integrity and Radiation Limitation

No flames, smoke, gas.
Limited heat transfer, restricted to no more than 15kW/m2.



EL - Integrity and Insulation

No flames, smoke, gas.
No heat transfer.

THE THREE FIRE CLASSIFICATIONS

E = Integrity

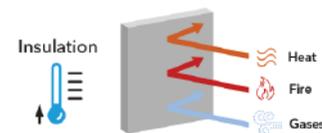
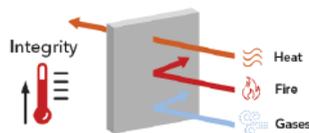
The most common fire classification is the E integrity rating. This is a measure of the ability of the system to withstand fire exposure to one side without allowing the fire to pass through to the unexposed side.

EW = Integrity and Radiation

The second level of fire classification is the integrity and radiation control (EW) rating. The radiation part of this classification is a measure of the ability of a system to withstand fire exposure from one side only whilst limiting radiant heat from its unexposed surfaces.

EL = Integrity and Insulation

The highest level of fire classification is the EI integrity and insulation rating. The integrity part of this classification is of the highest level, and the insulation part of this classification is a measure of the ability to not allow the significant transfer of heat from the exposed side to the unexposed side.



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FIRE RATED GLAZED SYSTEM SOLUTIONS (EMIFIRE).

Emifire is the premier fire rated segment from Emirates Glass, meticulously engineered to sustain integrity and radiation control for more than 120 minutes. The Emifire (EW120) System has undergone rigorous testing in internationally accredited laboratories, ensuring compliance with EN Standards, and operating under the stringent oversight of Dubai Civil Defence. Emifire provides exceptional life safety and property protection for our esteemed customers.

■ GLAZED FIRE RATED PARTITIONS/WINDOWS

EMIFire Partitions/windows are meticulously tested and certified to withstand fire for up to EW120 minutes. The specialized fire rated windows are engineered to provide essential fire protection while allowing natural light to penetrate and thereby enhancing the aesthetic appeal of any space. Fire rated partitions/windows plays a crucial role in modern building design, ensuring compliance with fire partition safety regulations without compromising on style and functionality.

KEY FEATURES:

MATERIAL	STEEL AND STAINLESS STEEL
Profile System	EMIFIRE (EW)
Profile Depth	50mm/60mm
Fire Resistance	EW-120
Glazing	Single/Double Glazed units
Ironmongery	Overhead / Concealed door closer for side hinged windows
Test Standards	EN 1364-1
Certifications	Intertek Testing Services
Surface Finish	3-Coat wet painted/Powder coated to required RAL colours.



■ GLAZED FIRE RATED SINGLE/DOUBLE LEAF DOORS

Fire rated single/double leaf doors are specifically engineered with one/two leaves (or panels) that operate independently or in tandem. They are tested and certified in International accredited laboratories to withstand fire for specified durations, ensuring the protection of occupants and property in case event of fire. These doors are equipped with fire safety and maintain the integrity and radiation of fire compartments.

Ideal for various commercial, industrial, and institutional settings, fire rated single/Double-leaf doors offer a crucial barrier against the spread of fire, smoke, and heat.

KEY FEATURES:

MATERIAL	STEEL AND STAINLESS STEEL
Profile System	EMIFIRE (EW)
Profile Depth	50mm/60mm
Fire Resistance	EW-120
Glazing	Single/Double Glazed units
Ironmongery	<ul style="list-style-type: none">• Concealed/Overhead Door Closers• Lever/Pull Handles• Integration with Access Control Systems• Panic Devices Compatible
Test Standards	EN 1634-1
Certifications	Intertek Testing Services
Surface Finish	3-Coat wet painted/Powder coated to required RAL colours.



■ GLAZED FIRE RATED CURTAIN WALL

Fire rated curtain walls are advanced building envelope systems designed to withstand fire for specified durations while maintaining their structural integrity. Engineered to resist fire and prevent the spread of flames, smoke, and heat, fire rated curtain walls play a critical role in fire compartmentation and evacuation safety.

Ideal for modern structures where style and safety are equally important, fire rated curtain walls provide a seamless integration of functionality, design, and fire safety.

KEY FEATURES:

MATERIAL	STEEL AND STAINLESS STEEL
Profile System	EMIFIRE (EW)
Profile Depth	50mm/60mm
Fire Resistance	EW-120
Glazing	Single / Double Glazed units
Test Standards	EN1364-1
Certifications:	Intertek Testing Services
Surface Finish	3-Coat wet painted/Powder coated to required RAL colours



■ GLAZED FIRE RATED SLIDING DOORS

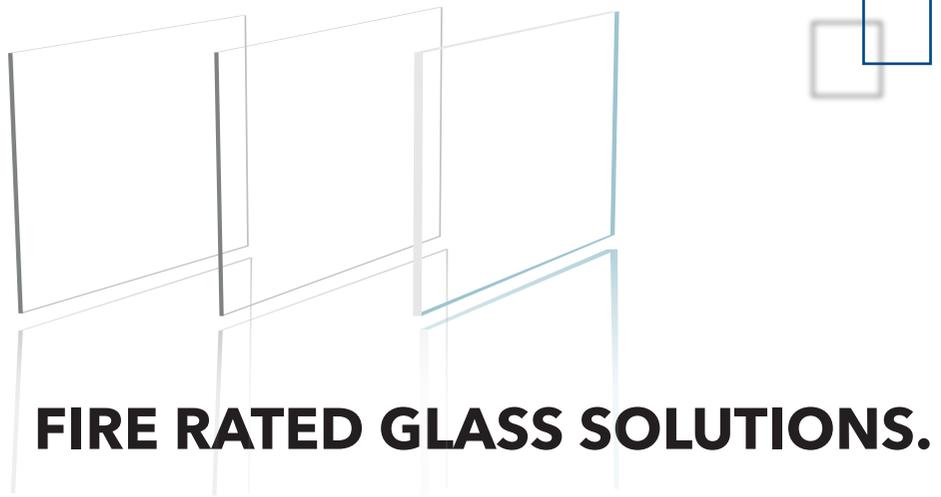
Fire rated glazed sliding doors are specialized door systems that combine the transparency of glass with the fire-resistant properties required in buildings. They are engineered to contain and retard the spread of fire, smoke, and heat from one area to another, while still allowing natural light to penetrate and enhancing the open feel of a space.

KEY FEATURES:

MATERIAL	STEEL AND STAINLESS STEEL
Profile System	EMIFIRE (EW)
Profile Depth	50mm/60mm
Fire Resistance	EW-120
Glazing	Single/Double Glazed units
Ironmongery	Automatic sliding door operator
Test Standards	EN 1364-1
Certifications	Intertek Testing Services
Surface Finish	3-Coat wet painted/Powder coated to required RAL colours.



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FIRE RATED GLASS SOLUTIONS.

■ PYRAN®S E120

This monolithic thermally tempered borosilicate glass offers exceptional quality of fire-resistant glazing and highly appealing versatility. Outstanding optical and mechanical qualities, Emirates Glass Integrity (E) glass can be found performing consistently and reliably in a broad range of landmark buildings across the world, in a wide variety of glazing designs.

PYRAN®S is the only toughened borosilicate glass available in the market pyrans soaks up much larger amounts of heat before deforming and allows it to achieve far high integrity ratings than conventional soda-time products, it can even be used as a butt jointed system to achieve 60 minutes integrity. The range offers excellent resistance against heat to 450°C, making it an excellent product to use in heat deflection for fire pits as well as for use where high temperatures, anything up to 350 degrees centigrade, are prevalent its clarity likens it to the appearance of low iron soda-lime float glass, but its light transmission is more than low iron clear glass.



Long Resistance to temperature



High Temperature Resistance



Permanent Transparency



High Softening Temp



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Product Name	Design Thickness(mm)	Certifire	Impact Rating to EN12600	Acoustic Rating dBRw
PYRAN@S (6)	(6)	CF291	1(C)1	31 dB Rw
PYRAN@S (8)	(8)	CF291	1(C)1	32 dB Rw
PYRAN@S (10)	(10)	CF291	1(C)1	33 dB Rw
PYRAN@S (12)	(12)	CF291	1(C)1	34 dB Rw

- High transmission in the visible and ultraviolet spectral ranges.
- Brilliant white glass optics, ensuring natural, pure color reproduction.
- Resistant to attack by aggressive environmental factors.
- Suitable for outdoor use with no limitations regarding UV radiation or temperature fluctuation.
- Resistant to abrasive chemical solutions.
- Can be used to make Double Glazed Units
- Easy to use in demanding architectural designs and available in large, smooth sheets of glass for unobstructed views.



■ PYRAN® PLATINUM FIRE RATED CERAMICS GLASS-E180

PYRAN® Platinum is unique in the fire rated glass industry. With dimensions of 1.1M X1.954M It's one of the world's largest standard sheet sizes of UL-tested glass-ceramic and it's the only floated glass-ceramic in the world, which opens up new opportunities for architects looking to create more inspirational building designs. Along with its impressive size and properties. PYRAN® Platinum strictly adheres to all safety standards

While other fire-rated glass ceramics possess a distracting amber tint, PYRAN® Platinum is colorless and highly transparent. This neutral, clear quality makes it an attractive option for designers seeking safety glazing that blends naturally with the colors and architecture of the building.

PYRAN® Platinum offers a compelling combination of high resistance to heat and thermal shock, alongside a clear, colorless appearance and smooth surface. Offering fine protection for up to 90 minutes in windows and 180 minutes indoors, the glass ceramic also remains clear under intense thermal loads, giving a building's occupants essential vision and time to exit a building in an emergency. PYRAN® Platinum is also environmentally friendly, produced without the hazardous heavy metals antimony or arsenic.



Fire Protection



Neutral Colour



Quick Delivery



Smooth Surface



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SCHOTT PYRAN®
PLATINUM

OTHER CERAMIC
ALUMINOSILICATE
GLASS

Fire-Rating	Application	Max Exposed Area	Max Exposed Width	Max Exposed Height
Up to 90 Minutes	other than	4,933 IN ²	98-1/4"	98-1/4"
Up to 90 Minutes	Doors (Non-Temp Rise)	3,708 IN ²	37-3/4"	98-1/4"
Up to 180 Minutes	DOORS	100 IN ²	12"	33"

UL 9 UL 108. UL 100. NFPA 80 NFPA 252 NFPA 257, ASTM (2074, ASTM (2010-01, CPSC ANSI Z971, ULC CAN4-5104, ULC CAN4 \$106.

Classified and labeled by Underwriters Laboratories Inc for the United States and Canada with File - No R39507 All fire tests performed in accordance with UL 9., UL. 70C. UBC 7-2 (1997), UBC 7-4 (7997) NEPA 252. NFPA 257 NFPA 80 ASTM E2010-07, ASTM E2074-00, CAN FULC-5704 and CAN/ULC-5706. All listing Information is subject to change

certifire

**CERTIFICATE OF APPROVAL
No CF 862**

This is to certify that, in accordance with
TS99 General Requirements for Certification of Fire Protection Products
The undermentioned products of

**SCHOTT Technical Glass Solutions GmbH
Otto-Schott-Straße 13,
D-07745 Jena, Germany
+49 (0)3641 681 4666**

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

**CERTIFIED PRODUCT
PYRANOVA® S3**

**TECHNICAL SCHEDULE
TS 25 Fire Resistant Glass,
Glazing Systems and Materials
Fire Resisting Glass**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 8th May 2012
Revised: 29th August 2023
Valid to: 20th March 2028

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This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Devonian Building, 5 Southamption Street, London, WC2E 7RN, Company Registration No: 11371410



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**CERTIFICATE OF APPROVAL
No CF 291**

This is to certify that, in accordance with
TS99 General Requirements for Certification of Fire Protection Products
The undermentioned products of

**SCHOTT Technical Glass Solutions GmbH
Otto-Schott-Straße 13,
D-07745 Jena, Germany
Tel: +49 (0)3641 681 4666**

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

**CERTIFIED PRODUCT
PYRAN S Fire Resisting Glass**

**TECHNICAL SCHEDULE
TS 25 Fire Resistant Glass,
Glazing Systems and Materials**

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 9th September 2022
Revised: 10th February 2025
Valid to: 27th November 2028

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This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Devonian Building, 5 Southamption Street, London, WC2E 7RN, Company Registration No: 11371410



United Arab Emirates
Ministry of Interior
Civil Defense G.H.Q
Fire Intentional Lab & House
Of Expertise & Training Center
Approval Committee



الإمارات العربية المتحدة
إدارة الداخلية
إدارة العمادة لتفادح المدني
إدارة أعماد المختبرات العمومية
بيت الخبرة ومعاهد التدريب

Date: 2018-05-21

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following

TEST REPORT NUMBER <small>'Assessment Reports' are not acceptable</small>	R22036-20070720 20150626, 20171008	CERTIFICATE NUMBER	KCMZ.R22036
DATE OF ISSUE	2007-07-20 2015-06-26, 2017-10-08	DATE OF ISSUE	2018-02-12
DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service	DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service

Manufacturer details
(TO BE COMPLETED BY CLIENT)

NAME OF FACTORY / MANUFACTURER	Schott Technical Glass Solutions GmbH	NAME OF THE BRAND	PYRAN®
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Otto Schott Str 13 07745 Jena, Germany	MODEL / NO	Platinum (PYRAN® Platinum)
WEBSITE	www.schott.com	LOGO ON THE PRODUCT	 SCHOTT Super Medium
TEL	+49 3641 681 4671	EMAIL	jens.klossek@schott.com

EMIFire



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United Arab Emirates



Dubai
Investments



A Subsidiary of



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