

**Fire Glass**

UK

SPECIALISTS IN FIRE RATED GLASS AND GLAZING

tel 0121 667 9089 email [info@fireglassuk.com](mailto:info@fireglassuk.com)



UK

NORTH

EAST

SOUTH

SCOTLAND

INSTALLATION

# YOUR FIRE GLASS PARTNER

WORKING TOGETHER

- ✓ FIRE-RATED
- ✓ ACOUSTIC
- ✓ LAMINATED SAFETY
- ✓ TOUGHENED
- ✓ IGUS
- ✓ INTEGRAL BLINDS
- ✓ PARTITIONS & SCREENS
- ✓ MANIFESTATION
- ✓ INSTALLATION

[www.fireglassuk.com](http://www.fireglassuk.com)



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## SEAN HAYNES MANAGING DIRECTOR

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We believe Fire Glass UK are the only choice when it comes to specialist glass and glazing. We can supply a vast choice of glass products to suit your requirements.

With in-house processing facilities it allows us to have full control of your order, meaning that we can guarantee on time deliveries to your project site or premises.

Our fitters are experienced in glazing and fitting specialist glass, including fire rated screens, and have the required CSCS cards. Risk assessments and method statements are issued prior to commencement on site, and all work is done to FIRAS certification standards.

Our technical support and advice sets us apart from anyone else. We will work with you to interpret your specifications and find the right product for the job, at the best price. We know everything there is to know about fire rated glass.

A stylized, handwritten signature in black ink, appearing to read 'SH'.







SAFETY



QUALITY



SERVICE

## THE FIRE GLASS PROMISE

### COMMITTED TO SAFETY

For over 10 years Fire Glass UK have kept up-to-date with all industry certification and accreditation to make sure we offer the best possible service we can. We also have ongoing independent fire-testing so we can offer the best quality products on the market.

### COMMITTED TO QUALITY

At Fire Glass UK, we set our customer satisfaction goals on three key areas: Safety, Quality and Service. SQS is the winning formula for the 'Fire Glass Promise' and defines our commitment to customers.

### COMMITTED TO SERVICE

- ✓ Dedicated technical support
- ✓ Fire Glass UK's own test evidence
- ✓ Fast turnaround
- ✓ Site survey and inspection
- ✓ Marketing support
- ✓ Project management
- ✓ In-house processing
- ✓ Specialist Installations
- ✓ No delivery charges to trade premises.

#### WHY USE US?



FASTER  
DELIVERY TIMES



TECHNICAL HELP  
& SUPPORT



COMPETITIVE  
PRICES



NATIONWIDE  
BRANCHES

UK

NORTH

EAST

SOUTH

SCOTLAND

INSTALLATION

GB/1119/V4

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# *your* **ONE STOP** GLASS SHOP

A COMPLETE  
GLASS SERVICE  
FROM LEAD  
TO LOW  
EMISSIVITY.

Supplying specialist glass and components to the glazing industry. We pride ourselves on customer service, technical expertise and a comprehensive product range.

## STOCKISTS OF

- ✓ Pyroguard, Pyrobelite, Pyrobel & Pyrodur
- ✓ Wired, laminates, acoustic laminates, toughened and mirrored glass
- ✓ Integral blinds

## MANUFACTURERS OF

- ✓ Insulating glass units
- ✓ Fire-rated IGUs – to Attestation Level 1
- ✓ Acoustic units
- ✓ Incorporation of integral blinds
- ✓ IGU's for composite doors
- ✓ Toughened glass

## ADDITIONAL SERVICES

- ✓ Processing – eg. arrising, polishing, holes etc.
- ✓ Manifestation
- ✓ Decorative filming
- ✓ Sandblasting

## DELIVERIES

- ✓ Fast turaround on cuttable products
- ✓ Fast turaround on sawn products
- ✓ Next day service available
- ✓ No delivery charge to your premises
- ✓ Site deliveries available (charges may apply)

## FURTHER SERVICES

- ✓ Technical support
- ✓ Fire Glass UK's own test evidence
- ✓ Marketing support
- ✓ Fire testing support
- ✓ Contract leads
- ✓ Glazing services
- ✓ Project management
- ✓ Supply and installation of glazed screens, both acoustic and up to two hours fire rating
- ✓ Members of the Glass and Glazing Federation, Constructionline Gold, Chas and Firas.





# FIRE-RATED GLASS

THE ONLY CHOICE

Fire Glass is the UK's only choice when it comes to fire rated and speciality glass and glazing solutions. Why? Our wide coverage, product range and five nationwide, well stocked branches allow us to deliver the glass you need, when you need it.

## WHAT IS FIRE RATED GLASS?

Fire Rated Glass (also known as Fire Resistant Glass) is a specialist glass that has been proven to provide a period protection against fire during a Fire Resistance Test. The degree of protection offered depends on the type of fire rated glass used but generally speaking all fire rated glass acts as a barrier to help prevent the spread of flames and smoke in the event of a fire. Certain types of fire rated glass will also provide a degree of protection (insulation) against the heat of a fire. The use of fire rated glass is therefore an important component in building safety and Building Regulations specify where it must be used.

## THE BENEFITS OF FIRE RATED GLASS

The flexibility of fire rated glass and its ability to compartmentalise and restrict fire damage makes it a fundamental part of any building's fire safety strategy. It is used for areas which are designed to provide a safe exit/access route in the event of a fire and to help prevent the spread of fire throughout a building (reducing structural damage).

## TESTING

Fire Resistance Tests are carried out by independent test companies and comply with all relevant Fire Test Standards. All fire rated glass should be installed as per the test evidence in terms of the Fire Resistant Glazing System used during the test (including sizing, frame and installation materials); only then will it provide the protection as per its official Fire Protection Rating. If the glass is installed into a different frame or installed with different materials (for example a different seal) then this will negate the protection and fire rating of the product; having access to the relevant Test Evidence when purchasing fire rated glass is therefore fundamental.

## TYPICAL FIRE RATED GLASS USAGE

Fire rated glass has many uses, comes in many different forms and is highly flexible. It comes as Polished, Wired or Laminated/Toughened. Certain fire rated glass can therefore be used where both Impact Safety Rating and fire resistance are needed.

It also comes as Single Glazed or as part of an Insulated Glass Unit. It can be used as a Vision Panel or Privacy Panel, side panel or even as a Glazed Partitions. Fire rated glass can also come with acoustic ratings (see Acoustic Glass) that can be vital for certain building projects.

30/0, 60/0 AND WIRED  
FIRE RATED GLASS

30/30, 60/30 AND 60/60  
INSULATED FIRE RATED GLASS

FIRE RATED ACOUSTIC UNITS

EXTENSIVELY TESTED  
WITH SYSTEMS EVIDENCE

WIDE PRODUCT RANGE

AVAILABLE WITH IMPACT  
SAFETY RATING

AVAILABLE WITH  
ACOUSTIC RATING

AVAILABLE AS IGU'S  
WITH INTEGRAL BLINDS

CERTIFIRE ACCREDITED

**FIRE RESISTANT  
GLASS MUST ONLY  
BE USED AS PART OF  
AN APPROPRIATELY  
APPROVED GLAZING  
SYSTEM.**





Our technical support and advice sets us apart from the rest – we'll work with you to interpret your specifications, find the right product for the job and secure the best price. Highly specialist products such as 60 minute integrity and insulation glass, double glazed units and toughened glass can be delivered to your specification within five working days.

MANUFACTURER/PRODUCT	THICKNESS MM	INTERIOR	EXTERIOR	FIRE RATING	CERTIFICATE NO.	DB RATING	SAFETY RATING
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#### AGC



Pyrobelite 7	7.9	✓	✗	30/0	CF377	34	3B3
Pyrobelite 9EG	12.06	✓	✓	30/0	CF377	35	1B1
Pyrobelite 12	12.3	✓	✗	60/0	CF377	36	2B2
Pyrobel 16	17.3	✓	✗	60/30	CF377	39	2B2
Pyrobel 16EG	21.1	✓	✓	60/30	CF377	39	1B1
Pyrobel 25	26.6	✓	✗	60/60	CF377	40	1B1
Pyrobel 25EG	30.4	✓	✓	60/60	CF377	43	1B1

#### PILKINGTON



Pyrodur 7mm EW30 Internal*	7	✓	✗	30/0	CF328	34	3B3
Pyrodur 10mm EW60 Internal	10	✓	✗	60/0	CF328	35	2B2
Pyrodur 11mm EW30 External	11	✓	✓	30/0	CF328	37	1B1
Pyrodur 13mm EW60 External	13	✓	✓	60/0	CF328	38	1B1
Pyrostop 14mm EI30 Internal*	14	✓	✗	30/30	CF328	38	2B2
Pyrostop 15mm EI30 Internal	15	✓	✗	30/30	CF328	38	2B2
Pyrostop 18mm EI30 External	18	✓	✓	30/30	CF328	38	1B1
Pyrostop 23mm EI60 Internal	23	✓	✗	60/60	CF328	41	1B1
Pyrostop 27mm EI60 External	27	✓	✓	60/60	CF328	41	1B1

#### PYROGUARD



Pyrostem (GWPP)	7	✓	✓	60/0	CF581	31	3B3
Fire Door 60	7	✓	✓	60/0	CF257	33	2B2
Pyroguard	7.2	✓	✓	30/0	CF257	33	2B2
Pyroguard	11.4	✓	✓	60/0	CF257	35	2B2
Pyroguard Insulation	15	✓	✗	60/30	CF437	38	1B1
Pyroguard Insulation	19	✓	✓	60/30	CF437	39	1B1
Pyroguard Insulation	23	✓	✗	60/60	CF437	40	1B1
Pyroguard Insulation	27	✓	✓	60/60	CF437	42	1B1



# ACOUSTIC GLASS

THE CLEARER CHOICE

With varying sound reduction levels, from 35db (6.8mm) to 42db (16.8mm). All our acoustic glass has an impact safety rating and is manufactured in accordance with the relevant standards (BS EN 14449 and BS EN ISO 140).

MANUFACTURER/PRODUCT	THICKNESS MM	INTERIOR	EXTERIOR	FIRE RATING	CERTIFICATE NO.	DB RATING	SAFETY RATING
ACOUSTIC							
6.8mm Clear Acoustic	6.8	✓	✓	NFR	N/A	35	1B1
8.8mm Clear Acoustic	8.8	✓	✓	NFR	N/A	37	1B1
10.8mm Clear Acoustic	10.8	✓	✓	NFR	N/A	38	1B1
12.8mm Clear Acoustic	12.8	✓	✓	NFR	N/A	40	1B1
16.8mm Clear Acoustic	16.8	✓	✓	NFR	N/A	42	1B1

## WHAT IS ACOUSTIC GLASS?

Acoustic glass is specialist glass that considerably reduces noise levels. All glass has some acoustic ability in terms of blocking outside noise – a 4mm single pane of glass has a sound reduction level of approximately 25 decibels (25db) and for a 4mm IGU with two panes of glass) this increases to around 28db. Sound levels may be reduced further in a number of ways including simply increasing the thickness of the glass being used or increasing the number of panes / distance between them within an IGU.

## THE BENEFITS ACOUSTIC GLASS

The main benefit of acoustic glass is the reduction in noise level – generally a comfortable sound level for humans is around 35db (day) and 30db (night).

All acoustic glass comes with a sound reduction level that is given in decibels. It is particularly useful in reducing some of the higher frequency sounds such as traffic, people and even the sound of rain falling on the glass (where the glass is used in roof glazing); different performance levels can be achieved by various combinations of glass thickness and the number of interlayers used.

Due to its inner bonded layer, acoustic glass will hold in place in the event of breaking; meaning that it has an Impact Safety Rating and can be used in Critical Locations. It can also improve energy efficiency.

## TYPICAL ACOUSTIC GLASS USAGE

Acoustic glass has many applications and it must be used in certain circumstances to comply with Building Regulations requirements around resistance to sound.

Acoustic glass does not of itself have any fire resistance ability but there are certain types of Fire Rated Glass that do have acoustic ability and a sound reduction level.

IMPROVED ACOUSTIC PERFORMANCE

SOUND CONTROL

CAN BE CUT TO SIZE

IMPACT SAFETY RATING

UV PROTECTION





# LAMINATES & CUT GLASS

THE SAFER CHOICE

All safety glass manufactured and supplied by Fire Glass UK complies with the relevant British and European standards (BS 6206 and BS EN 12600) and carries the appropriate CE Mark. We hold the accreditation for Attestation Level 1 to manufacture glass and IGUs.

LAMINATE TYPE	FIRE RATING	ACOUSTIC RATING dB (RW)	SAFETY RATING
6.4mm Clear Laminated Glass	NFR	32	2B2
7.5mm Clear Laminated Glass	NFR*	32	1B1
8.8mm Clear Laminated Glass	NFR	33	1B1
9.5mm Clear Laminated Glass	NFR*	33	1B1
10.8mm Clear Laminated Glass	NFR	34	1B1
11.5mm Clear Laminated Glass	NFR*	34	1B1

## WHAT IS LAMINATED GLASS

Laminated glass is harder to break than ordinary glass and does not shatter in the same way due to either the specific processing the glass has gone through (toughened) or the bonded interlayer between the glass itself (laminated).

Used to protect against injury on impact and is suitable for locations with a high risk of accidental damage or an increased risk of vandalism. It must also be used in certain Critical Locations as per Building Regulations requirements.

## THE BENEFITS OF LAMINATED GLASS

Typically made up of one or more panes of glass with bonded interlayers of PVB (polyvinyl butyral). It is no stronger than ordinary glass and will remain intact on impact and prevents glass from breaking into large pieces. Laminated glass can have different impact ratings depending on the thickness of the glass used and the number of interlayers. It can also provide sound insulation (acoustic abilities) and thermal insulation (energy efficiency).

## TESTING

As part of the testing process, a weight is dropped from three heights onto a standard sized pane of safety glass. The glass is then given an impact safety rating based on the point at which it breaks (if it breaks).

## TYPICAL LAMINATED GLASS USAGE

Laminated glass is frequently used in exterior shop-fronts, curtain walling and windows, overhead glazing, full-height barriers, doors and low-level glazing. It has many commercial, public and residential applications.

**REMAINS INTACT OR BREAKS SAFELY ON IMPACT**

**WITHSTANDS REPEATED BLOWS FROM HEAVY OBJECTS**

**A BARRIER TO ENTRY EVEN WHEN BROKEN**

**EFFECTIVE THERMAL INSULATION**

**\* CONFORMS TO SECURITY GLAZING (EN 356) IN ADDITION TO SAFETY GLASS REQUIREMENTS (EN 12600)**

**\* ANTI-BANDIT**

**COLOURS & TINT OPTIONS**

**FULLY TESTED**

**HIGH SOUND INSULATION**



# TOUGHENED GLASS

## THE PRACTICAL CHOICE

When looking at security needs, toughened glass is stronger than laminated glass and requires a far greater force to be shattered. Toughened glass achieves a Class 1C1 rating (depending on its thickness) when tested to BS EN 12600 (Class A under BS 6206). This is the highest rating for safety glass.

### WHAT IS TOUGHENED GLASS?

Toughened glass is made from standard float glass but is up to five times stronger (whilst being the same thickness) making it an impact resistant safety glass. The process of toughening the glass introduces stresses and tensions to the glass which increases its strength and also ensures that when the glass does break, it will break 'safely' into small blunt pieces that are unlikely to cause serious injury. It therefore poses less of a threat to passers-by and is safer to pick up and dispose of. If standard float glass is broken it will break into very sharp, hazardous pieces.

The toughening process involves putting the cut float pieces through the furnace where they are heated to above 650°C and then rapidly cooled with cold air on both sides. The glass has to be cut to size and shaped accordingly before going through the toughening process; if the glass is cut afterwards it will crack and shatter.

As the glass cools, the outer layers compress and contract whilst the inner layers are in a state of tension. The stress gives the glass increased solidity by pushing together any surface flaws and protecting the inner layers from imperfections that can lead to cracks. The process improves the structural durability of the glass which increases its impact resilience and ability to withstand heat without impacting on the clarity of appearance or light transmission of the glass itself.

### THE BENEFITS OF TOUGHENED GLASS

Its increased resistance to impact and temperature variations make toughened glass suited for use in structural glazing systems where the benefits of ordinary glass need to be combined with extra strength, safety or resistance. It therefore provides a far greater scope for the use of glass in buildings from a design point of view.

### TYPICAL TOUGHENED GLASS USAGE

Toughened glass also has a number of applications and in building projects it is often used as glass facades, glass partitions, sliding doors, glass doors and windows. It is also used in furniture such as table and counter tops.

**E30 FIRE CLASSIFICATION**

**CLASS 1 IMPACT CLASSIFICATION**

**INTERIOR AND EXTERIOR USE**

**UV STABILITY**

**TIMBER APPLICATIONS**

**MODIFIED TOUGHENED AVAILABLE**

**IDEAL FOR USE WITHIN THE HEALTHCARE AND SECURITY SECTORS.**

**4MM TO 19MM THICKNESS**

**USE IN IGUS**

**FGUK FireSafe**



# INTEGRAL BLINDS

PARTNERING INDUSTRY LEADERS



Fire Glass UK supply integral blind systems. Available in insulated units which can be made from toughened safety glass, low emissivity glass or acoustic glass with fire rated options of FD30, FD30/30, FD60 and FD60/60.

## WHAT ARE INTEGRAL BLINDS?

Integral blinds are encapsulated within an Insulated Glass Unit (IGU) inbetween two or three panes of glass. This ensures protection from dust and dirt, so no cleaning is required. The blinds can work manually or on a motorised system, and can be operated by cord, knob, magnet or remote control.

## WHY CHOOSE INTEGRAL BLINDS?

Integral blinds are hygienic and are clean for life due to the system being encapsulated within the glass unit, thus, meaning there is no risk of damaging the blinds. They are durable and maintenance-free.

## OPERATION OF INTEGRAL BLINDS

The options shown below are examples of the ScreenLine® C-System; which utilises the force produced by two coupled rotational magnetic devices to raise and lower (and tilt, in venetian models) the blind by means of a cord loop. One set of magnets is located inside the blind head rail and the other one applied to the external glass surface, thus guaranteeing the perfect integrity of the insulating glass. Electric operation of this system is also possible by replacing the external magnetic device with an external motor.

## WHERE TO USE INTEGRAL BLINDS

Integral blinds are very versatile due to the slimline design, the 10mm slats fit within a standard 16mm cavity allowing only for the IGU to be replaced in most cases. They are great for homes, offices, hotels and schools. If privacy is paramount they can be used in hospitals as they are hygienic and can divide space. This system can be applied to most windows, doors, french windows, up-and-over, sliding or casement windows.

## PARTNERING WITH PELLINI

Pellinindustrie combines design excellence with outstanding product quality – so you can have total confidence that your windows and doors require no more maintenance than a normal window or door.

## MANUAL OPERATION EXAMPLES



CORD



WAND



KNOB

MAINTENANCE FREE

VERSATILE SLIMLINE SYSTEM

HYGIENIC

LONG LIFESPAN

EASY TO OPERATE

MEETS CHILD SAFETY  
STANDARDS

CONTROLS LIGHT & HEAT

VARIOUS OPERATING SYSTEMS

FIRE-RATED, ACOUSTIC,  
TOUGHENED. LOW EMISSIVITY  
GLASS OPTIONS



PARTNERING WITH:

pellinindustrie







# GLASS FOR PARTITIONS

A SPECIALIST CUT-SIZE SERVICE

Fire Glass UK specialise in the supply of fire rated, acoustic and laminated glass for partitions. With vast experience and knowledge within the glass and glazing industry and five branches nationwide it makes us the UK's only choice.

Wall to floor glass panels and partitions allow light to flood in and offer modern clean lines.

Glazed partitions are bespoke to each individual job. Fire Glass UK offer a nationwide supply only service allowing us to make sure your project meets all safety and quality specifications.

## TYPES OF PARTITIONING

- > Frameless single glazed partitioning
- > Double glazed partitions
- > Acoustic rated partitions
- > Fire rated partitions
- > Oak framed partitions

## OPTIONS AVAILABLE

- > Manifestations or sandblasting
- > Fire resistance up to 60/60
- > Back-painted glass
- > Integrated blinds
- > Acoustic ratings

**FIRE-RATED, ACOUSTIC, LAMINATED & TOUGHENED GLASS**

**IN-HOUSE PROCESSING**

**BUTT JOINT SYSTEMS**

**NO POLISHING CHARGE**

**FREE SITE DELIVERIES**

**STILLAGES TO SUIT**

**NATIONWIDE DELIVERY**

**PYROGUARD AND PYROBEL**



## REQUEST A SAMPLE

Please call **0121 667 9089** for your sample or more information.

The following 300 x 300mm samples are available:

15 mm ✓

23 mm ✓

16 mm ✓

25 mm ✓



# FIRE RATED IGUS

MANUFACTURED TO CERTIFICATION



Double Glazed Units are also known as IGUs (Insulated Glass Units) – an individually sealed unit made up of multiple panes of glass. Each pane of glass is separated within the sealed unit or gas-filled gap between them.

At Fire Glass UK, we supply many different types of IGU's, including fire rated IGU's for the composite door market. We are certified to manufacture fire glass units to Attestation Level 1, so you can rest assure that our products are manufactured to the highest safety standards every time.

**CERTIFIED TO ATTESTATION  
LEVEL 1**

**CERTIFIED CONSISTENCY**

**FIRE RESISTANCE UP TO 60  
MINUTES INTEGRITY AND 60  
MINUTES INSULATION**

**FIRECELL FROM FIRE GLASS UK**

**ACOUSTIC, SOLAR AND BLIND  
OPTIONS**

**PROVEN THERMAL  
IMPROVEMENTS**

**BLUESKY CERTIFICATION:  
EN1279-2:2002 &EN 1279-3**

**FGUK** FireCell





# SPECIALIST INSTALLATIONS

FIRAS CERTIFIED FOR SAFETY



For any glass and glazing project Fire Glass Installations offer the full service from technical advice to supply and on-site installation. With our in-depth knowledge of specialist glass, we provide the supply and fitting of fire rated, safety and acoustic glass specifications throughout the United Kingdom.

## ABOUT FIRAS

FIRAS certification started in 1994 and has been instrumental in improving standards of installation of fire protection products/systems to the benefit of the construction industry and the clients it serves.

FIRAS is a third party certification for installation contractors of both passive and active fire protection systems, operated by Warrington Certification and accredited by UKAS to BS EN 17065.

## THE IMPORTANCE OF USING A FIRAS CONTRACTOR

Fire Glass UK is a FIRAS approved installer, with an experienced and skilled team of independently assessed glazing operatives. All our work is closely controlled and monitored to ensure full compliance with the current legislation. We are the UK's only choice for fire glass and glazing solutions and have five branches nationwide, which allows us to offer cost effective fire rated glazing products.

## ONGOING ASSESSMENTS

FIRAS certificated contractors are subject to an annual audit of their offices and ongoing, random surveillance site inspections where competence and workmanship are assessed. The inspectors also conduct inspections of the work carried out by the certificated contractor on request to satisfy client's needs.

All FIRAS certificated contractors are required to log all work on the FIRAS online database and once complete a 'Certificate of Conformity (Compliance)' for the completed works is issued from the FIRAS online database.

## THE BENEFITS OF FIRAS CERTIFICATION

FIRAS certification provides assurance to construction industry end users/regulators that if a FIRAS certificated contractor is appointed, the work will be carried out correctly, in accordance with industry standards and material/product manufacturer requirements to provide the required fire protection rating for the building as intended by the specifiers.

**FIRAS CERTIFIED  
INSTALLATIONS**

**HIGH QUALITY GLAZING  
SYSTEM INSTALLATION**

**TECHNICAL ADVICE**

**HEALTH AND SAFETY  
SUPPORT**

**FIRE GLASS SPECIALISTS**

**NATIONAL COVERAGE**

**SITE SURVEY, INSPECTION  
AND INSTALLATION**

**OUR FIRAS  
CERTIFICATION  
PROVIDES ASSURANCE  
THAT ALL WORK  
IS CARRIED OUT  
CORRECTLY AND IN  
ACCORDANCE WITH  
INDUSTRY STANDARDS  
AND MANUFACTURER  
REQUIREMENTS.**





# ACCREDITATIONS AND CERTIFICATES

DEDICATED TO PROFESSIONALISM



## OUR ACCREDITATIONS





# INSURANCE CERTIFICATE

ENSURING A SAFE WORKING ENVIRONMENT



## CERTIFICATE OF EMPLOYERS' LIABILITY INSURANCE (a)

(Where required by regulation 5 of the Employers' Liability (Compulsory Insurance) Regulations 1998 (the Regulations) as amended by the Employers' Liability (Compulsory Insurance) (Amendment) Regulations 2008, one or more copies of this certificate must be displayed at each place of business at which the policy holder employs persons covered by the policy. This requirement will be satisfied if the certificate is made available in electronic form and each relevant employee to whom it relates has reasonable access to it in that form)

Policy Number: P/CCK/11887

Name of Insured including where applicable all Subsidiary Companies unless excluded below: Fire Glass UK Ltd

Excluded Subsidiary Companies:

Date of Commencement of Insurance: 24 June 2019

Date of Expiry of Insurance: 23 June 2020

We hereby certify that subject to paragraph 2 :-

- 1) the policy to which this certificate relates satisfies the requirements of the relevant law applicable in Great Britain, Northern Ireland, the Isle of Man, the Island of Guernsey, the Island of Jersey or the Island of Alderney (b); and
- 2) (a) the minimum amount of cover provided by this policy is no less than £5,000,000 (c)

Signed on behalf of and (if applicable) other insurers American International Group UK Limited (Authorised Insurers), being Company/Our/Us/We as defined in the Policy

Jonathan Turner, Chief Executive - Pen Underwriting

### Notes

- (a) Where the employer is a company to which regulation 3(2) of the Regulations applies, the certificate shall state in a prominent place, either that the policy covers the holding company and all its subsidiaries, or that the policy covers the holding company and all its subsidiaries except any specifically excluded by name, or that the policy covers the holding company and only the names subsidiaries.
- (b) Specify applicable law as provided for in regulation 4(6) of the Regulations.
- (c) See regulation 3(1) of the Regulations and delete whichever of paragraphs 2(a) or 2(b) does not apply. Where 2(b) is applicable specify the amount of cover provided by the relevant policy.

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# RISK ASSESSMENT

## EXAMPLE FORM

### RISK ASSESSMENT FORM



RISK ASSESSMENT FORM No.	R/A 238887	DEPARTMENT:	Site activity at
DATE		SITE	Geoff Clarkson – Fire Glass
LOCATION		ASSESSED BY	Site pre works assessment

LINKED DOCUMENTS

Main Activity: To supply and install Glazing of glass types as stated in MS-T3081 to already installed screens.

To transport screens and glass and appropriate tools to allocated area of the building.

Installation of glass and appropriate screens.

Leave site clean and tidy.

Persons at Risk: Site operatives, other contractors, Members of the public when unloading/Reversing.

(A) Hazard Severity			(B) Risk Likelihood		
Negligible	1	Improbable	1		
Minor	2	Remote	2		
Serious	3	Occasional	3		
Major	4	Probable	4		
Fatal	5	Frequent	5		

ACTIVITY:	HAZARDS:				CONTROL MEASURES:			
		A	B	AxB		A	B	NEW AxB
Removal of glass from carriage vehicle	Glass may fall or pieces may fall due to damage in transit. This may cause laceration or eye injury due to flying fragments. Manual handling, poor handling techniques cause back injuries or upper limb injury.	4	4	16	Trained personnel, Safe working practice, eye protection to be worn at all times. Glass handling equipment where appropriate. Transport distance minimized with unloading procedure. Stillages to be used for bulk loading and movement if site access allows	1	2	2
Removal of glass from carriage vehicle	Passers-by may be struck by vehicles glass retaining bars during removal. This may cause head injury or bruising	3	4	12	Trained personnel, Safe working practice, PPE, and warning signs where appropriate. Unloading area isolated or cordoned off where practical. P/C has traffic management and pedestrian management plan in place.	2	1	2
Transportation of glass from vehicle to job site	Glass may fall or pieces may fall due to damage in transit. This may cause laceration or eye injury due to flying fragments. Manual handling, poor handling techniques cause back injuries or upper limb injury.	4	4	16	Trained personnel, Safe working practice, PPE, and warning signs where appropriate. Glass handling equipment where appropriate. Manifestation tape on glass to make it more visible. Manual handling assessment in place for glazing to be installed. Stillages to be used if site conditions and access allows Where not practicable manual handling to be used – under manual handling assessment.	1	2	2

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### RISK ASSESSMENT FORM

Transportation of glass from vehicle to job site	Public or customers may walk in to sheets of glass being moved to location. This may cause facial, crush injuries or lacerations. Manual handling, poor handling techniques cause back injuries or upper limb injury.	4	4	16	Trained personnel, Safe working practice, and warning signs where appropriate. Glass handling equipment where appropriate. Manifestation marks on glass to make it more visible. Transport distance minimised.	1	2	2
Transportation of glass from vehicle to job site	Poor handling technique by employees manually handling glass may cause back or upper limb injury. Manual handling, poor handling techniques cause back injuries or upper limb injury.	3	4	12	Trained personnel. Glass handling equipment where appropriate. Appropriate number of staff applied to the task. Carrying distances minimized and site access route and duckboards/access route surfacing to be checked for suitability and removal of slip and trip hazards.	1	2	2
Storage of glass at site prior to installation	Persons may walk in to glass. This may cause bruising or lacerations.	3	4	12	Trained personnel, Safe working practice, PPE, and warning signs where appropriate. Work areas cordoned off where practical. Storage area to be identified and sectioned off per floor (at agreement of Site Manager)	1	2	2
Fitting glazing tape	Knife and or Chiesel may cut / lacerate hands	3	4	12	Trained Personnel. Cut away from the body. Keep hands behind the blade. Cut resistant gloves and wrist protection to be worn at all times for installation works. K tape to be pre cut for fit before movement of glazing.	1	2	2
Installation of new glazing	Poor handling technique by employees manually handling glass may cause back or upper limb injury.	3	4	12	Trained personnel. Glass handling equipment where appropriate. Appropriate number of staff applied to the task. One op to hold and brace glazing, one op to position bead and fix.	1	2	2
Installation of new glazing	Glass may break or fragment causing laceration or eye injury. Manual handling, poor handling techniques cause back injuries or upper limb injury.	4	4	16	Trained personnel, Safe working practice, PPE, and warning signs where appropriate. Glass to specification standard – minimal potential of shatter or fragmentation.	1	2	2
Installation of new glazing	Installation tools may slip causing, puncture or laceration. Manual handling, poor handling techniques cause back injuries or upper limb injury.	3	4	12	Trained personnel, Safe working practice, PPE, and warning signs where appropriate. Work area to be cordoned off where practical. Tools suitable for purpose are used. All tools to be pre inspected before use. All safety equipment to be fitted to Paslode before use.	1	2	2
Cutting of Batten and bead sections	Beads do not require cutting down but may require filling down to give a smooth fit	3	4	12	Tools suitable for purpose are used. All tools to be pre inspected before use. All safety equipment to be fitted to Paslode before use	2	2	4

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FG/RA001/v1





# METHOD STATEMENTS

## EXAMPLE FORM

**FIRE GLASS INSTALLATION**  
24-26 Hainge Road, Tividale, Oldbury, West Midlands B69 2NH  
Tel: 0121 521 2180 Fax: 0121 521 2181  
Email: [info@fireglassuk.com](mailto:info@fireglassuk.com) [www.fireglassuk.com](http://www.fireglassuk.com)  
in /company/fireglassuk fireglassuk f fireglassuk

**Fire Glass**  
**INSTALLATION**

**SECTION 1 Method Statement**

<b>CUSTOMER:</b>		<b>CONTACT:</b>	Geoff Clarkson
<b>ADDRESS:</b>		<b>ADDRESS:</b>	Fire Glass UK Limited 24-26 Hainge Road Tividale, Oldbury West Midlands B69 2NH
<b>SITE MANAGER:</b>		<b>TEL:</b>	0121 667 9089
<b>CUSTOMER REF:</b>		<b>OUR REF:</b>	

**SECTION 2 Brief Description Of Work to be undertaken and Location**

Site is a multi level building under the Principal Contractor management of XXXXXXXXXX. On arrival all staff are to report directly to the site manager for the site induction and permit to work issue. Site Induction is at 08.30hrs

The site entrance is located off XXXXXXXXXX, which is located in an area of XXXXXXXXXX. The site has restricted access to pedestrian and vehicle traffic and is subject to a traffic management plan under XXXXXXXXXX (details of which will be given under the site specific induction).

Summary of works to be undertaken;

Works are to include the movement and installation of Glass Types which will include laminated Safety Glass, FD30/0 and Fire Rated IGU only to prepared apertures within a multi floor building as per specification.

This will include the fitting of timber battens and close cell foam tape to the required sections for holding and retaining the glazing sections in place

**SECTION 3 Sequence Of Operations**

1. Works vehicles to be parked on available spaces on site where available. All parking must be considerate to other users.
2. All Operatives to report to the Site Managers Office for site induction and CSCS Card Recording.
3. An unloading area will be arranged via the site manager - as close to the stores area as is practicable whilst conforming to the considerations of section 1 (above).
4. Verify loading and unloading area safe with signage and barriers where there is a foreseeable risk of contact with other contractors. Ensuring route along which glass is to be transported is safe (attention is required to any duck boarding or weathered access routes, mud ingress and slip and traffic hazards. Movement of glass where stairs have access to other floor will be sectioned off. No glass will be stored on site overnight. Glass brought to site on stillage will be glazed that day. Areas where materials are to be stored will be designated by the glazing supervisor and cordoned off from others in the works area with tapped off barriers. Glass to be unloaded and moved to work areas asap to reduce handling, and reduce hazards of storage on site. All glass to be stillaged and lifted to second floor by means of fork lift. All glass is a two man lift only.
5. Carry out unloading activities under Manual Handling Assessment 238887
6. Make work area safe, the use of tape, physical barriers will be used to segregate the works area (works to be carried out in phased sections under the direction of the Glazing supervisor, each phased area will be sectioned off with tape and barriers whilst works are carried out).
7. Area to be checked for residual hazards by Glazing supervisor before works (mainly potential of asbestos, any potential services and any other works or persons/contractor activities in the area that may be affected by the works) and that all equipment and PPE is present which include all present on site including any drivers is in good serviceable order.
8. Glazing installation to be carried out following specification (and following control measures in Risk Assessment 238887
9. Trimming of bead is to be by hand or by electric saw - Located in a suitable location (at the discretion of the site supervisors). Dust bags will be fitted before use and electrical supply to be pre arranged under the Site Manager. Risk Assessment, 238887
10. Any residual glazing or debris is to be cleaned and packaged for removal from the site through the company waste streams.

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Fire Glass Installation (A trading name of Fire Glass UK Limited). Registered in England No. 6737753 at Soratan Industrial Estate, Brickhouse Lane, Great Bridge, West Bromwich B70 0QH.

Page 2 of 4

Fire Glass Installation (A trading name of Fire Glass UK Limited). Registered in England No. 6737753 at Soratan Industrial Estate, Brickhouse Lane, Great Bridge, West Bromwich B70 0QH.

Page 3 of 4

Fire Glass Installation (A trading name of Fire Glass UK Limited). Registered in England No. 6737753 at Soratan Industrial Estate, Brickhouse Lane, Great Bridge, West Bromwich B70 0QH.

**SECTION 18 Identification of Services Applicable to the Works**

FG/MS/0719/3



## ENVIRONMENTAL POLICY STATEMENT

Fire Glass UK Limited, who is a distributor of glass and glazing products and servicing/glazing installation and contracting services, is committed to managing, mitigating and continually improving, where practicable, its environmental risks and impacts.

We will seek to develop, implement, maintain, audit, review and continually improve an Environmental Management System to meet the requirements of ISO14001:2015. Systems will also be reviewed in response to operational, legislative changes and in light of new knowledge.

Where practicable we shall set objectives and targets that will be monitored and reviewed to evaluate the effectiveness of this environmental policy. Environmental performance will be regularly and openly communicated against these criteria.

We will:

- > Aim to carry out our business activities with respect and care for the environment, our neighbours and local communities.
- > Plan and manage our environmental impacts and actively seek to develop opportunities to positively protect and enhance the environment.
- > Practice good housekeeping
- > To comply with appropriate Compliance Obligations at all times related to our environmental risks
- > Minimise waste and to carry out our activities in order to mitigating pollution and nuisance to our neighbours
- > Build good relationships with the local communities
- > Maintain and raise environmental awareness throughout the company.

### CULTURE

We are committed to the development and maintenance of an open dialogue culture which will include the communication of this environmental policy to our employees, suppliers, customers, sub-contractors and other stakeholders.

### ENERGY

We shall look to monitor, manage and reduce our use of energy and to evaluate alternative renewable energy technologies for implementation where they may be practicable.

### TRANSPORT

Subject to suitability for purpose, low emission vehicles will be operated. We will aim to minimise mileage driven by our vehicles as long as customer service is not compromised. We shall evaluate alternative fuel technologies where they may be practicable. All staff will be encouraged to drive in a fuel efficient and safe manner. We shall encourage staff who wish to use alternative forms of transport or vehicle share for journeys to and from their place of work.

### POLLUTION CONTROL

We shall establish and maintain systems to prevent pollution of the environment and harm to human health. This will include procedures for safe handling, disposal and containment of substances that have the potential to cause pollution.

### WASTE MANAGEMENT

We shall ensure responsible management of our own wastes encouraging reuse and recycling to minimise disposal to landfill. We shall dispose of our wastes in strict compliance with legislation.

### MANAGEMENT OF WATER

We shall monitor, review and manage the impacts of our operations on water resources and have effective measures in place to prevent pollution.

### PURCHASING

We shall, where possible, endeavour to source materials locally, from responsible suppliers with an emphasis on recycled, or recyclable or sustainable products.

This Policy has been defined and endorsed at the highest level to ensure that it is appropriate to the nature, scale and environmental impact of the companies operations and will be publically available.



S. Haynes  
Managing Director  
April 2019



## 1.0 HEALTH & SAFETY POLICY STATEMENT

As Managing Director of Fire Glass UK Ltd, I regard the promotion of health, safety, welfare and environmental protection as a mutual objective for the company and its employees at all levels. It is the company's policy to do all that is reasonable to prevent personal injury and hazard to health by protecting persons including the public, from foreseeable work and environmental hazards in so far as they come into contact with the company, its premises or its activities. In particular the company undertakes to:

- ✓ Provide and maintain safe and healthy working conditions, as is reasonably practical and comply with statutory health and safety requirements
- ✓ Adhere to appropriate local and national health and safety standards and best practice recommendations in our work activities
- ✓ Provide training, instruction, information and supervision to enable employees to perform their work safely
- ✓ Comply with statutory environmental health legislation
- ✓ Assess the risks associated with workplace work equipment and substances used in the course of our business and advise on the health and safety precautions to be taken
- ✓ Provide, when and where necessary, safety devices and personal protective equipment and provide instruction on their use
- ✓ Complete regular inspections of the workplace and take appropriate action to safeguard against hazards and eliminate/minimise the risk of accidents
- ✓ Ensure audits and inspections are completed to verify the that the company's health and safety and environmental policies and procedures are being complied with
- ✓ Maintain a constant and continuing awareness and interest in health, safety and environmental matters
- ✓ Actively participate in developing occupational health, safety and environmental standards within the organisation and through involvement with external individuals/organisations.

Our Health and Safety Policy is designed to ensure that you fully understand the role that you and the company must play in helping to provide a safe and healthy working environment to ourselves and people we come into contact with as a result of our works. Together we must seek to identify and eliminate hazards at work with the aim to reduce the number of accidents to zero.

With your help and co-operation we can achieve this.

Signed

A handwritten signature in black ink, appearing to be 'JA'.





## QUALITY POLICY STATEMENT

### APPENDIX 1

**FIRE GLASS UK LTD** is committed to the principles of Quality Assurance in order to maintain the highest quality of service to our customers. In pursuit of this aim, the company has developed a Quality System to comply with all the mandatory requirements of ISO9001:2015, CE Marking and BS EN 12150 (Toughened Glass) / BS EN 14449 (Laminated Glass) / BS EN 1279 Fire Rated and Standard Double Glazed Units. This includes setting Quality Objectives, which have been agreed by the Managing Director along with a framework to ensure these are subject to formal management review.

Compliance with the Quality System policies and procedures is mandatory for all personnel since it is only by strict adherence to these controls that consistent standards of product and service quality can be maintained.

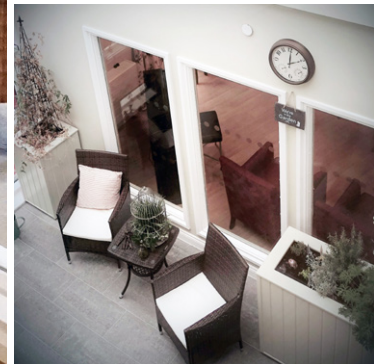
The Company is committed to continually improving the effectiveness of the system to meet applicable requirements along with a structured corrective action policy to ensure that the Quality System is improved in response to the demands of our customers and also those of our management requirements. It is therefore the responsibility of all personnel to examine their areas of the Quality System in the endeavour to identify and initiate improvements.

The Managing Director commends this Quality Policy statement to all employees of FIRE GLASS UK LTD Oldbury, Derby, Manchester, Edinburgh & Colchester and looks forward to extending our reputation for quality.

Signed

A handwritten signature in black ink, appearing to be "JA".

Managing Director  
April 2019



# Creating a safe and secure environment

**PROJECT**  
Otterbourne

**LOCATION**  
Hampshire

**ARCHITECT**  
Hunters Architects

**CONTRACTOR**  
Stepnell Ltd

**PRODUCT**  
Acoustic Laminated and FD60/60  
Fire-Rated Glass

Otterbourne Hill has been designed to help people with dementia cope by bringing together three services in one location: apartments, a community hub and a residential care home. Otterbourne Hill is a £14.4 million development, part funded, part raised by charity.

Over 89m<sup>2</sup> of acoustic laminated glass and FD60/60 fire-rated glass was supplied by Fire Glass UK. The project was over two floors and took five days to complete.

## PRODUCTS

- > FD60/60
- > Acoustic Laminated
- > 35dB and 40dB Acoustic Screens







# FIND YOUR NEAREST BRANCH

SQS THE FIRE GLASS PROMISE:



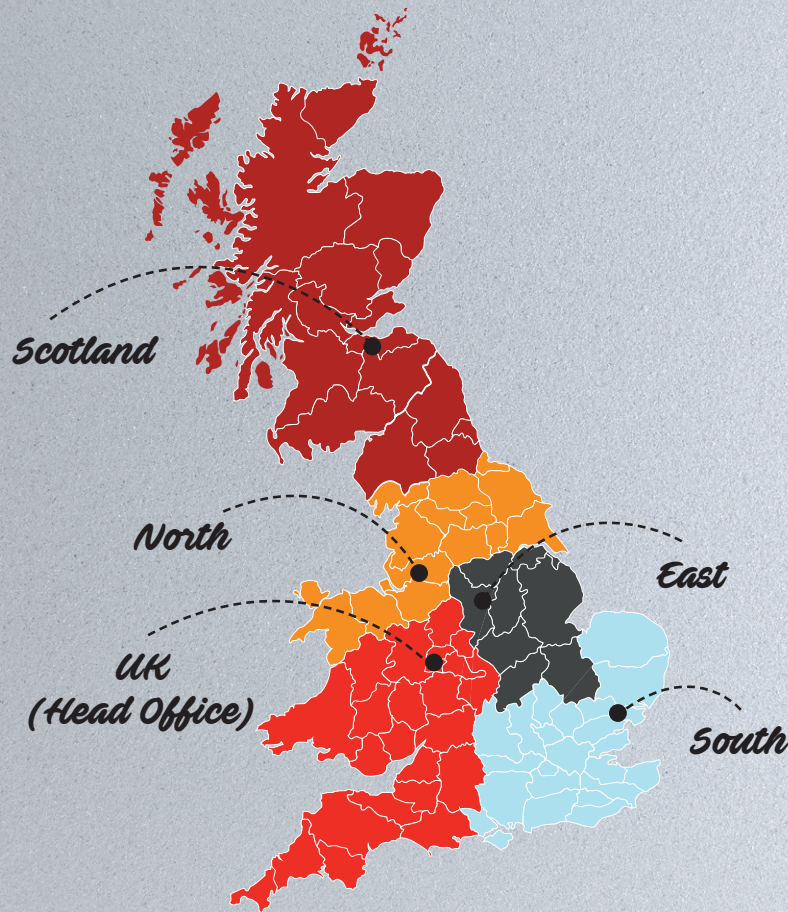
SAFETY



QUALITY



SERVICE



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UK

NORTH

EAST

SOUTH

SCOTLAND

INSTALLATION

THE  
CLEARER  
CHOICE

**Fire Glass**

UK

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Glass and Glazing Federation

