

Fire



Performance Glass Processing Ltd

[www.PerformanceGlass.co.uk](http://www.PerformanceGlass.co.uk)

## About Us

Performance Glass Processing Ltd has been founded on quality and service, set up to provide specialist fire rated, acoustic and decorative glass products to the Timber Aluminium and Steel manufacturers of the UK.

Our Halifax based premises stocks a wide range of certified & licensed fire rated glass providing cover of up to 60 minutes integrity and 60 minutes insulation on demand.

We are an independent family run company and our background in contracting gives us a great perspective over the challenges faced when specifying and delivering projects on budget and most importantly on time. Our technical support is there to assist through each phase to specify the correct product, not just from our multiple brand range, but from all licensed products available in the UK and across Europe.



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## Now In Stock PYROBELite 7 & 12

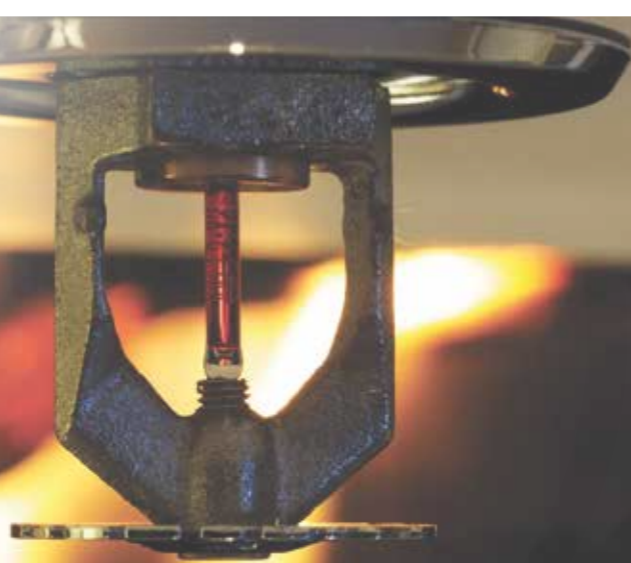
Setting The Benchmark



FIRE RESISTANT GLASS

## Now In Stock FireLite 5

Giving up to 240 minutes Integrity



## Now In Stock Neoceram

For Fireplaces, Stoves & Ovens



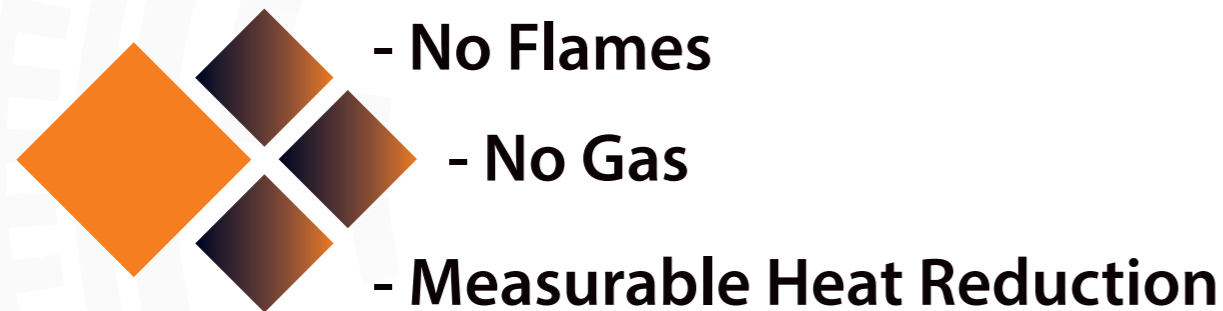
# Glass Classification

## E - Integrity



The ability of a specimen when exposed to fire on one side to prevent the passage through it of flames or hot gasses and to prevent the occurrence of flames on the unexposed side.

## EW - Integrity and Radiation Control



The ability of a specimen when exposed to fire on one side to perform the characteristics of 'E' and also maintain the amount of radiant heat to below 15 KW/m<sup>2</sup> on the unexposed face.

## EI - Integrity and Insulation



The ability of a specimen when exposed to fire on one side to perform the characterises of 'E' and also restrict temperature rise of the unexposed face to below 140°C on average above ambient and 180°C above ambient at any specific point.

# PGP Stocked Fire Rated Products

Product Name	Thickness (mm)	UV Stable	Impact classification	Sound reduction (dB)	Light transmission (%)
<b>E Products</b>					
Pyroguard Tough (30/0)	6mm	Yes	1C2	31	90
Pyrostem (60/0) (GWPP Safety)	7mm	Yes	3B3	31	88
<b>EW Products</b>					
Pyroguard EW30 Impact (30/0)	7mm	Yes	2B2	33	87
Pyroguard EW30 Satin Obscure (30/0)	7mm	Yes	2B2	33	80
Pyroguard EW30 Maxi (30/0)	11mm	Yes	2B2	35	85
Pyroguard FD60 (60/0)	7mm	Yes	3B3	33	87
Pyroguard EW60 (60/0)	11mm	Yes	2B2	35	85
<b>EI Products</b>					
Pyroguard EI30 INT (30/30 & 60/30)	15mm	No*	1B1	38	85
Pyroguard EI60 INT (60/60)	23mm	No*	1B1	40	82

\*EI Products should be used for internal application, away from direct sunlight. UV stable products can be provided on request. PGP can provide you with the full range of British and European fire glass products. Speak to our technical representative to discuss your requirements.

## The Competitive Advantages of our Stocked Products

### **Pyroguard Tough:**

The most cost effective solution with fast guaranteed lead times

### **Pyrostem:**

Capable of giving a 60/0 rating & safety rated for critical locations

### **Pyroguard EW30:**

Lightweight and UV stable for internal or external application

### **Pyroguard EW30 Satin:**

Off the shelf and pre-finished to exacting standards

### **Pyroguard EW30 Maxi:**

The largest tested size of laminated fire products

### **Pyroguard FD60:**

Lightweight and cost effective, with test evidence growing rapidly

### **Pyroguard EW60:**

UV stable and lighter than competing products

### **Pyroguard EI30 INT:**

A flat, workable product, and cost effective to glaze

### **Pyroguard EI60 INT:**

The easiest 60/60 product to cut and prepare with rapid lead times possible

The success and the reputation of the Pyroguard product range speaks for itself. An excellent material to cut and install, available off the shelf and versatile in its sizes and use. We do not tape the edges of our Integrity and Radiation Control products, which makes them quicker to manufacture and simpler to glaze.



# Summary of Single Glazed Applications -

Summary of maximum sizes for single glazed laminated glass. Information taken from CGI Certifire certification & CGI Chiltern Report only. Always Refer to Certifire certificate and Chiltern Report for full details, as products are sized to suit the location, orientation, framing section & seal type.

All our products are Kite marked in the bottom right hand corner using an acid etch stamp.

Shapes are permitted as long as they fit inside the permitted rectangular area.

Timber Door -



Timber Screen -



Steel Door -



Steel Screen -



Butt Jointed into Steel Framing -



Timber Door -

Timber Screen -

Steel Door -

Steel Screen -

Butt Jointed into Steel Framing -

Products	Fire Rating	Max Area (m2)	Max Width (mm)	Max Height (mm)	Max Area (m2)	Max Width (mm)	Max Height (mm)
6mm Pyroguard Tough	30/0	1.20	750	2000			
7mm Pyrostem (GWPP Safety)	30/0	1.40	818	1980	3.81	1449	3128
7mm EW30	30/0	1.31	875	2125	2.83	* 3125	2750
7mm EW30 Satin Obscure	30/0	1.31	875	2125	2.83	* 3125	2750
11mm EW30 Maxi	30/0	1.74	870	2085	4.58	* 3075	* 3051
7mm Pyrostem (GWPP Safety)	60/0	0.81	626	1400			
7mm FD60	60/0	0.54	375	1552			
11mm EW60	60/0	0.58	508	1437	1.33	696	2420
15mm EI30 (Internal Use)	30/30	3.12	1192	2615	6.99	* 3179	* 3468
15mm EI30 (Internal Use)	60/30	0.65	540	1440	3.00	1500	2500
23mm EI60 (Internal Use)	60/60	0.59	495	1320	4.37	2000	* 3125

\* Please refer to maximum stock size. Specials are available on a project by project basis.

Max Area (m2)	Max Width (mm)	Max Height (mm)	Max Area (m2)	Max Width (mm)	Max Height (mm)	Max Area (m2)	Max Width (mm)	Max Height (mm)
2.18	1100	2488	5.11	1800	3410			
			3.20	1537	2600			
1.61	855	2066	2.26	1195	2750			
1.61	855	2066	2.26	1195	2750			
			3.00	1500	* 3045			
			3.09	1488	2516			
			1.72	1200	2400			
4.42	1380	* 3205	5.68	2840	3098	5.39	1845	* 3592
2.94	1235	2861						
3.03	1400	2694	4.00	2667	2600	4.69	1600	* 3124

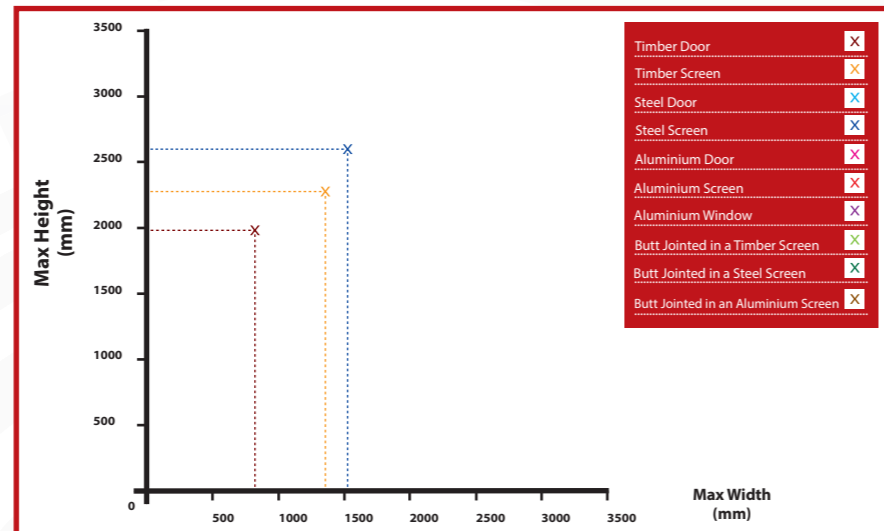
\* Please refer to maximum stock size. Specials are available on a project by project basis.

# 30 Minutes Integrity Only

## Pyroguard Pyrostem

BS EN 12600 Impact Rating	3B3
Standard	EN 572-9
Thickness	7mm
Sound Reduction	31dB
Thermal Performance	5.7 W/m2K
Reaction to Fire	A1
Sudden Temperature	40K
Light Transmission	88%
Weight	17.5 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



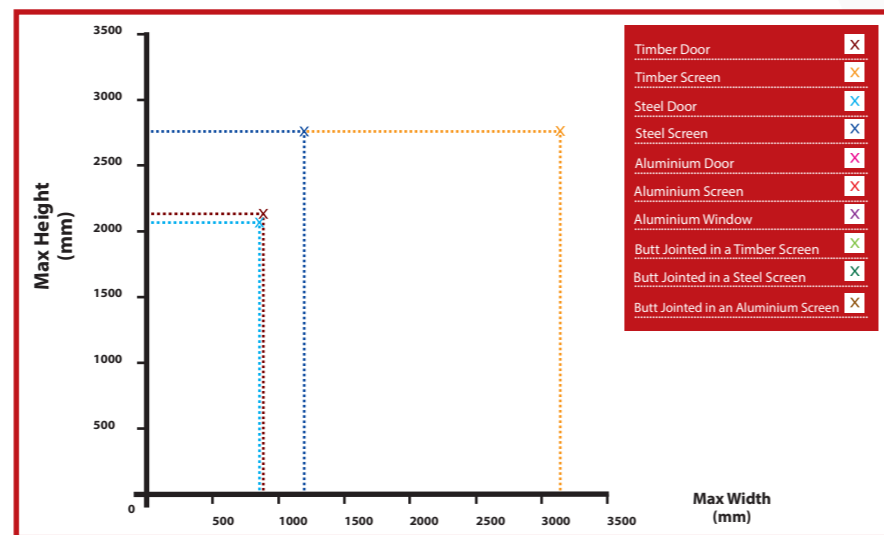
### 30 Minutes Integrity Only

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	30	0	1.40	818	1980	CF581	Lorient FF1 Channel	Hardwood Liner
Timber Screen	30	0	2.81	1353	2288	CF581	K Tape	Hardwood Blocks
Steel Door	30	0						
Steel Screen	30	0	3.20	1537	2600	CF581	K Tape	Hardwood Blocks
Aluminium Door	30	0						
Aluminium Screen	30	0						
Aluminium Window	30	0						
Butt Jointed in a Timber Screen	30	0						
Butt Jointed in a Steel Screen	30	0						
Butt Jointed in an Aluminium Screen	30	0						
<b>Stock Sheet Size</b>			<b>5.04</b>	<b>1984</b>	<b>2540</b>			

## Pyroguard 7mm EW30 IMPACT (Satin)

BS EN 12600 Impact Rating	2B2
Standard	EN 14449
Thickness	7mm -0.6/+0.8
Sound Reduction	33dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	87% (80%)
Weight	17 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



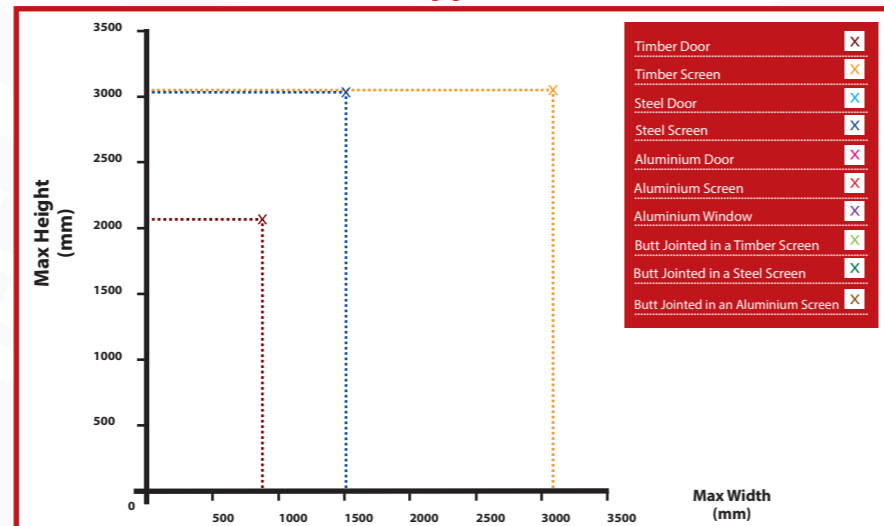
### 30 Minutes Integrity Only

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	30	0	1.31	875	2125	CF257	Hodgesons Firestrip 30 / Sealmaster Therm-A-Strip / Dufaylite Interdens	Hardwood Blocks
Timber Screen	30	0	2.68	3125	2750	CF257	Interdens / K Tape	Hardwood Blocks
Steel Door	30	0	1.61	858	2066	CF257	K Tape / Fiberfrax H10008F	Hardwood Blocks
Steel Screen	30	0	2.26	1195	2750	CF257	K Tape	Hardwood Blocks
Aluminium Door	30	0						
Aluminium Screen	30	0						
Aluminium Window	30	0						
Butt Jointed in a Timber Screen	30	0						
Butt Jointed in a Steel Screen	30	0						
Butt Jointed in an Aluminium Screen	30	0						
<b>Stock Sheet Size</b>			<b>7.06</b>	<b>2140</b>	<b>5300</b>			

## Pyroguard 11mm EW30 MAXI

BS EN 12600 Impact Rating	2B2
Standard	EN 14449
Thickness	11mm -1/+1.4
Sound Reduction	35dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	85%
Weight	27 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



### 30 Minutes Integrity Only

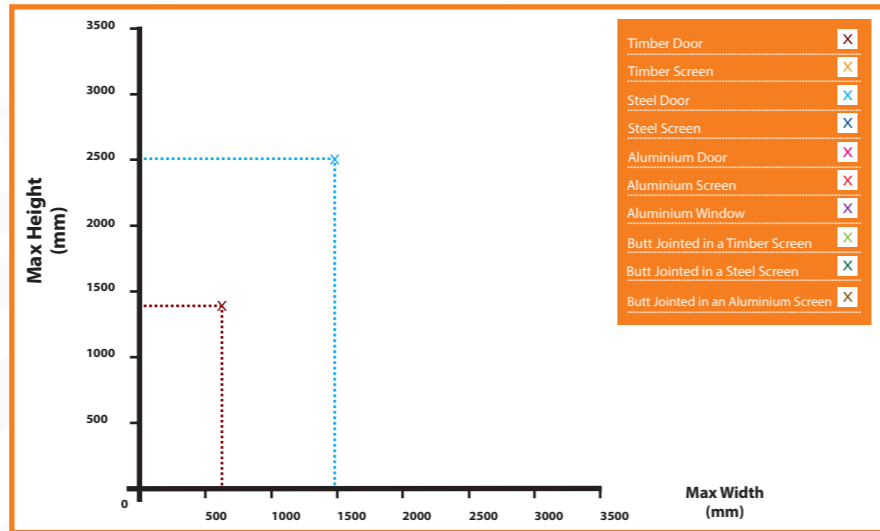
	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	30	0	1.50	870	2085	CF257	Lorient FF1 / K Tape	Hardwood Liner / Blocks
Timber Screen	30	0	4.58	3075	3051	CF257	Sealmaster Fireglaze Compound / Interdens	Hardwood Blocks
Steel Door	30	0						
Steel Screen	30	0	3.00	1500	3045	CF257	K Tape	Hardwood Blocks
Aluminium Door	30	0						
Aluminium Screen	30	0						
Aluminium Window	30	0						
Butt Jointed in a Timber Screen	30	0						
Butt Jointed in a Steel Screen	30	0						
Butt Jointed in an Aluminium Screen	30	0						
<b>Stock Sheet Size</b>			<b>4.39</b>	<b>1580</b>	<b>2780</b>			

# 60 Minutes Integrity Only

## Pyroguard Pyrostem

BS EN 12600 Impact Rating	3B3
Standard	EN 572-9
Thickness	7mm
Sound Reduction	31dB
Thermal Performance	5.7 W/m2K
Reaction to Fire	A1
Sudden Temperature	40K
Light Transmission	88%
Weight	17.5 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



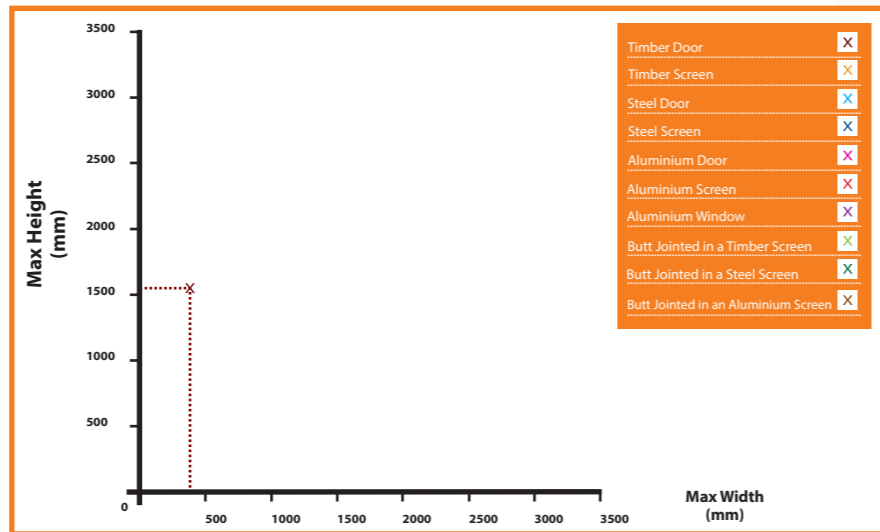
### 60 Minutes Integrity Only

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	60	0	0.81	626	1400	CF581	Lorient System 90	Palusol Liner
Timber Screen	60	0						
Steel Door	60	0						
Steel Screen	60	0	3.09	1488	2516	CF581	K Tape	Hardwood Blocks
Aluminium Door	60	0						
Aluminium Screen	60	0						
Aluminium Window	60	0						
Butt Jointed in a Timber Screen	60	0						
Butt Jointed in a Steel Screen	60	0						
Butt Jointed in an Aluminium Screen	60	0						
<b>Stock Sheet Size</b>			<b>5.04</b>	<b>1984</b>	<b>2540</b>			

## Pyroguard FD60

BS EN 12600 Impact Rating	3B3
Standard	EN 14449
Thickness	7mm
Sound Reduction	33dB
Thermal Performance	5.7 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	87%
Weight	17 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



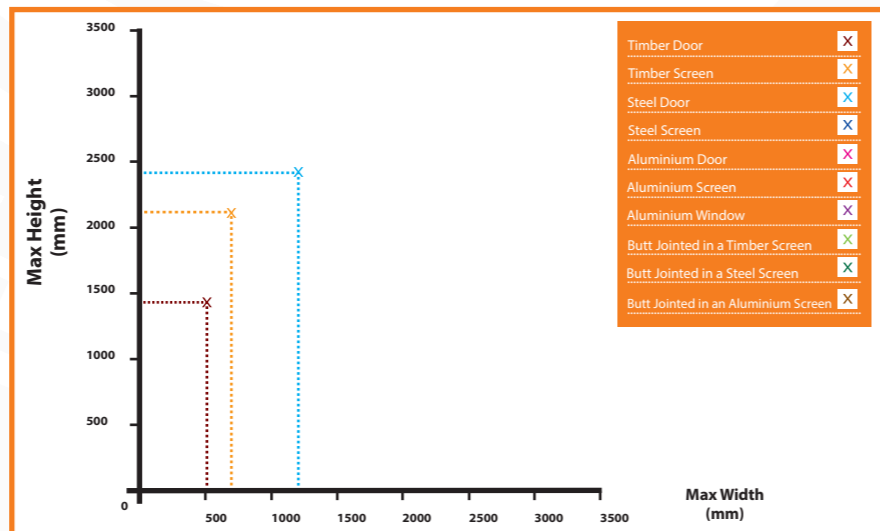
### 60 Minutes Integrity Only

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	60	0	0.54	375	1552	CF257	Lorient System 90+ Channel	N/A
Timber Screen	60	0						
Steel Door	60	0						
Steel Screen	60	0						
Aluminium Door	60	0						
Aluminium Screen	60	0						
Aluminium Window	60	0						
Butt Jointed in a Timber Screen	60	0						
Butt Jointed in a Steel Screen	60	0						
Butt Jointed in an Aluminium Screen	60	0						
<b>Stock Sheet Size</b>			<b>3.52</b>	<b>1580</b>	<b>2230</b>			

## Pyroguard 11mm EW60

BS EN 12600 Impact Rating	2B2
Standard	EN 14449
Thickness	11mm -1/+1.4
Sound Reduction	35dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	85%
Weight	27 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



### 60 Minutes Integrity Only

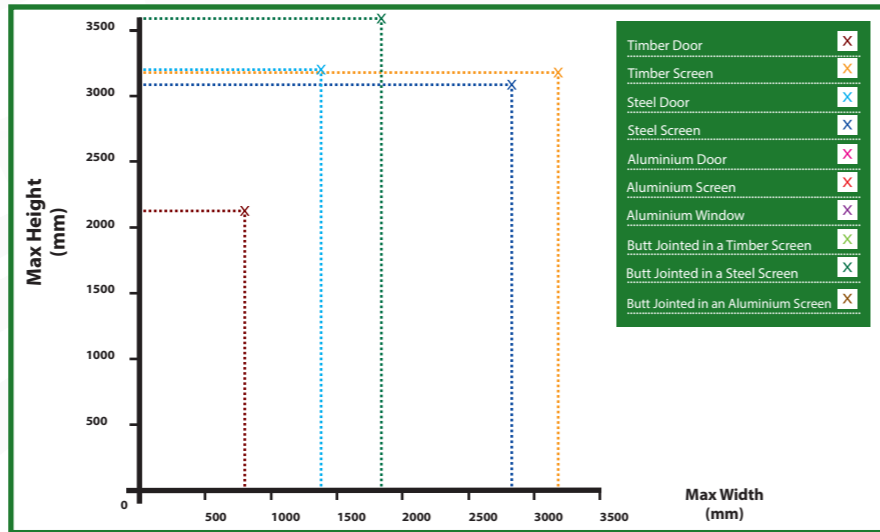
	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	60	0	0.58	508	1437	CF257	Sealmaster Fireglaze	Sealmaster GL60 Liner
Timber Screen	60	0	1.21	696	2200	CF257	Sealmaster Fireglaze Compound / Palusol	Sealmaster GL60 Liner / Hardwood Blocks
Steel Door	60	0						
Steel Screen	60	0	1.72	1200	2400	CF257	Mann McGowan P500 / K Tape	Hardwood Blocks
Aluminium Door	60	0						
Aluminium Screen	60	0						
Aluminium Window	60	0						
Butt Jointed in a Timber Screen	60	0						
Butt Jointed in a Steel Screen	60	0						
Butt Jointed in an Aluminium Screen	60	0						
<b>Stock Sheet Size</b>			<b>4.39</b>	<b>1580</b>	<b>2780</b>			

# Mixed Integrity & Insulation

## Pyroguard EI30 INT

BS EN 12600 Impact Rating	1B1
Standard	EN 14449
Thickness	15mm -1.5/+1.5
Sound Reduction	38dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	85%
Weight	38 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



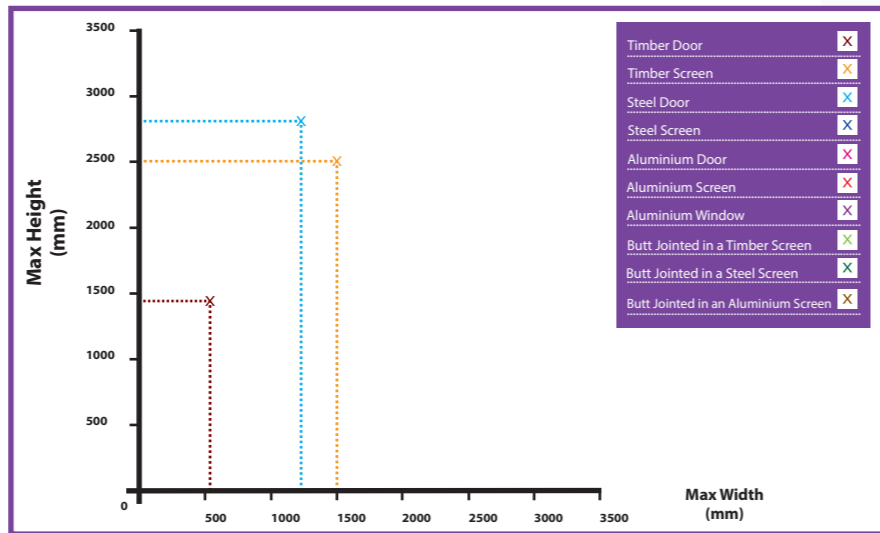
### 30 Minutes Integrity and 30 Minutes Insulation

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	30	30	1.08	800	2125	CF437	Lorient 36/15 / Sealmaster Therm-A-Strip	N/A / Hardwood Blocks
Timber Screen	30	30	6.99	3179	3179	CF437	K Tape	Hardwood Blocks
Steel Door	30	30	4.42	1380	3205	CF437	Refer to door manufacturers evidence	N/A
Steel Screen	30	30	5.68	2840	3098	CF437	K Tape / EPDM Seal	Hardwood Blocks
Aluminium Door	30	30						
Aluminium Screen	30	30						
Aluminium Window	30	30						
Butt Jointed in a Timber Screen	30	30						
Butt Jointed in a Steel Screen	30	30	5.39	1845	3592	CF437	K Tape & Interdens	Hardwood Blocks
Butt Jointed in an Aluminium Screen	30	30						
<b>Stock Sheet Size</b>			<b>6.59</b>	<b>2125</b>	<b>3100</b>			

## Pyroguard EI30 INT

BS EN 12600 Impact Rating	1B1
Standard	EN 14449
Thickness	15mm -1.5/+1.5
Sound Reduction	38dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	85%
Weight	38 Kg/m2
UV Stable	Yes

### Certifire Approved Sizes



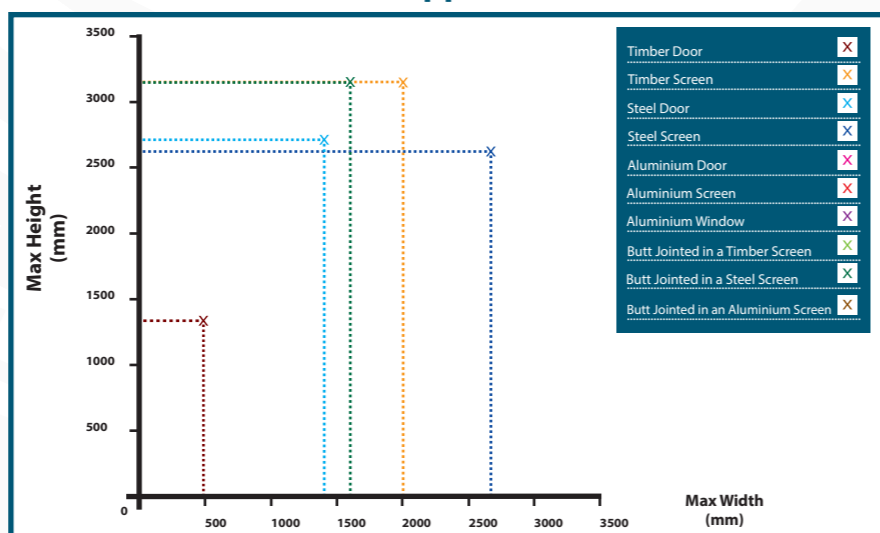
### 60 Minutes Integrity and 30 Minutes Insulation

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	60	30	0.65	540	1440	CF437	Lorient 36/15	Palusol Liner
Timber Screen	60	30	3.00	1500	2500	CF437	K Tape	Sealmaster GL60 Liner
Steel Door	60	30	2.94	1235	2861	CF437	Refer to door manufacturers evidence	
Steel Screen	60	30						
Aluminium Door	60	30						
Aluminium Screen	60	30						
Aluminium Window	60	30						
Butt Jointed in a Timber Screen	60	30						
Butt Jointed in a Steel Screen	60	30						
Butt Jointed in an Aluminium Screen	60	30						
<b>Stock Sheet Size</b>			<b>6.59</b>	<b>2125</b>	<b>3100</b>			

## Pyroguard EI60 INT

BS EN 12600 Impact Rating	1B1
Standard	EN 14449
Thickness	23mm -3.7/+3.7
Sound Reduction	40dB
Thermal Performance	5.1 W/m2K
Reaction to Fire	NPD
Sudden Temperature	40K
Light Transmission	82%
Weight	58 Kg/m2
UV Stable	No

### Certifire Approved Sizes



### 60 Minutes Integrity and 60 Minutes Insulation

	Rating		Max Area (m2)	Max Width (mm)	Max Height (mm)	Certificate	Glazing Tape	Liner
	E	I						
Timber Door	60	60	0.59	495	1320	CF437	Lorient 36/23	2mm M.A.S. Liner
Timber Screen	60	60	4.37	2000	3125	CF437	K Tape	Sealmaster GL60 liner
Steel Door	60	60	3.03	1400	2694	CF437	Refer to door manufacturers evidence	
Steel Screen	60	60	4.00	2667	2600	CF437	K Tape	Hardwood Blocks
Aluminium Door	60	60						
Aluminium Screen	60	60						
Aluminium Window	60	60						
Butt Jointed in a Timber Screen	60	60						
Butt Jointed in a Steel Screen	60	60	4.69	1600	3124	CF437	K Tape & Interdens	Hardwood Blocks
Butt Jointed in an Aluminium Screen	60	60						
<b>Stock Sheet Size</b>			<b>6.59</b>	<b>2125</b>	<b>3100</b>			



**Performance Glass Processing Ltd, specialists in**  
 • Fire Rated Glass • Acoustic Glass

**PGP**  
 Performance Glass Processing Ltd

**Performance Glass, specialists in**  
 • Aluminium and steel, windows, doors & curtain walling

**Performance Glass**

**F1 Glass, specialists in**  
 • High quality decorative glass products for the workplace and home  
 • Glass doors • Balustrades • Manufacturers of coloured glass products

**F1 GLASS**


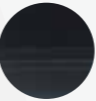


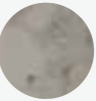
**Performance Drafting, specialists in**  
 • Architectural glazing works  
 • Precision services to the nuclear industry


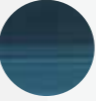
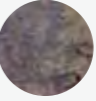
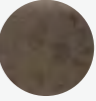
**PDP**  
 Performance Drafting

# Non-Fire Rated Stock Products

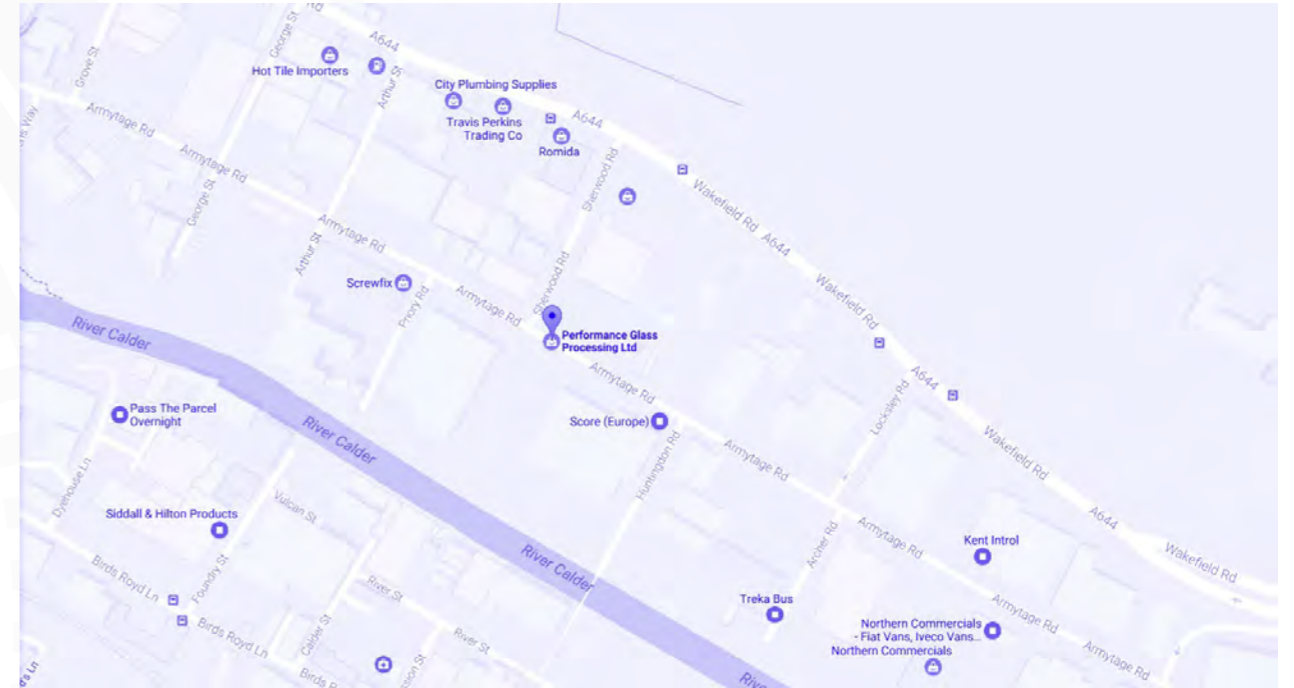
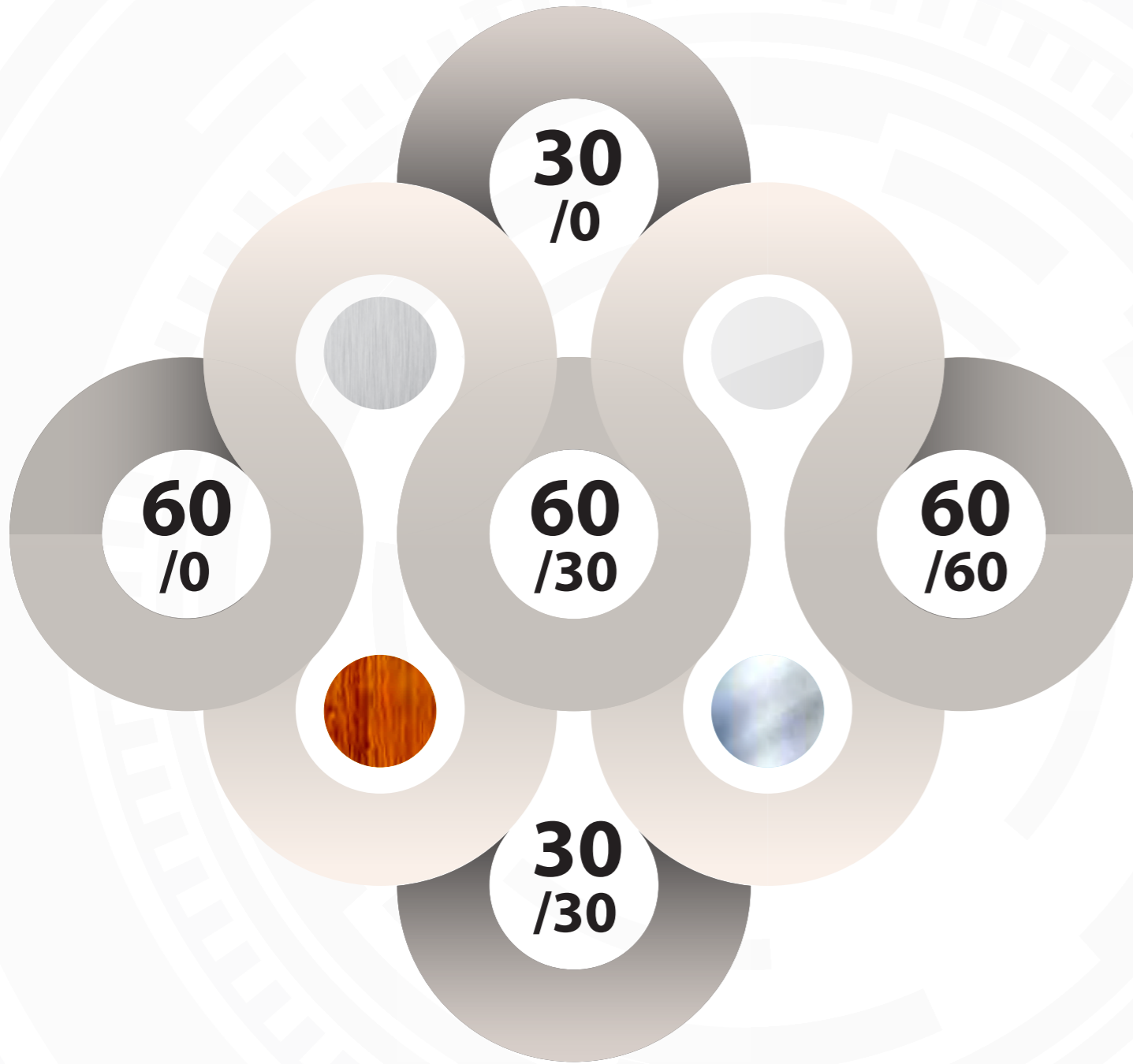
Non-Fire Rated Stock Products	Light transmission (%)	Impact classification	EN 356	Sound reduction (dB)
6.4mm Clear Annealed Laminate	88	2B2		32
6.4mm White Diffused Laminate	80	2B2		32
6.8mm Clear Acoustic Laminate	88	1B1	P2A	35
8.8mm Clear Acoustic Laminate	87	1B1	P2A	37
10.8mm Clear Acoustic Laminate	86	1B1	P2A	38
12.8mm Clear Acoustic Laminate	85	1B1	P2A	39
16.8mm Clear Acoustic Laminate	80	1B1	P2A	40

# Mirrored Stock Products

 Silver   
  Black   
  Bronze   
  Antique Silver   
  Satin Silver

 Grey   
  Blue   
  Antique Bronze   
  Satin Bronze





**Integrity | Radiation Control | Insulation**

**Timber | Aluminium | Steel | Glass**

