



# The Wholesale Glass Co.

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## TECHNICAL INFORMATION - FIRE GLASS

### **7mm GWPP clear ( Georgian wired polished plate )**

A non-insulated clear wired glass, for internal or external use, with a 30 minute integrity fire rating.

### **7mm GWC texture ( Georgian wired cast )**

A non-insulated obscure wired glass, for internal or external use, with a 30 minute integrity fire rating.

### **7.2mm Pyroguard**

A non-insulated, clear 3-ply laminated glass with 30 minute integrity, for internal or external use. Class B impact safety ( UK ) and class 2B2 ( Europe ).

### **11.4mm Pyroguard**

A non-insulated, clear 5-ply laminated glass with 60 minute integrity, for internal or external use. Class B impact safety ( UK ) and class 2B2 ( Europe ).

### **15mm Pyroguard Insulation ( Internal use ) 19mm Pyroguard Insulation ( External use )**

A clear 7-ply laminated glass with 60 minute integrity and 30 minute insulation, for internal and external use. Class A impact safety ( UK ) and class 1B1 ( Europe ).

### **23mm Pyroguard Insulation ( Internal use ) 27mm Pyroguard Insulation ( External use )**

A clear 11-ply laminated glass with 60 minute integrity and 30 minute insulation, for internal and external use. Class A impact safety ( UK ) and class 1B1 ( Europe ).

### **Sealed Units**

All the above glass can be used to form an insulated glass unit using a toughened glass.

## INFORMATION NEEDED WHEN CHOOSING FIRE GLASS

### **Integrity**

Length of time a glass will prevent the passage of smoke and flames.

### **Insulation**

Length of time a glass will prevent the transmission of conductive and radiative heat.

### **Application**

Whether glass is to be glazed internally or externally.

### **Frame**

Determines glass to be used ( Larger sizes can be fitted into timber frames as opposed to steel ).

### **Size of panels**

If the manufacturers maximum **tested** size is exceeded, the fire resistant properties of the product cannot be guaranteed.

## SPECIFICATION

Product	Thickness mm	Integrity mins	Insulation mins	Weight kg/m <sup>2</sup>	Application	Substance
GWPP clear	7	30	0	16	Int / Ext	Wired
GWC texture	7	30	0	16	Int / Ext	Wired
Pyroguard EW 30	7.2	30	0	17	Int / Ext	Laminated
Pyroguard EW 60	11.4	60	0	26.7	Int / Ext	Multi-Lam
Pyroguard EI 30 INT	15	60	30	37.6	Internal	Multi-Lam
Pyroguard EI 30 EXT	19	60	30	50	External	Multi-Lam
Pyroguard EI 60 INT	23	60	60	57.6	Internal	Multi-Lam
Pyroguard EI 60 EXT	27	60	60	61.8	External	Multi-Lam

## GLASS CLASSIFICATION

E - Integrity	EW - Radiation Control	EI - Insulation
No flames	No flames	No flames
No gas	No gas	No gas
No heat reduction	No heat reduction	No heat

Maximum sizes vary and can depend on frame design, please contact us for information on large or shaped pieces.

It is essential that all fire glass is glazed into appropriate framing system and that the method of glazing conforms to manufacturers guidelines

**DISCLAIMER** : It is the sole responsibility of the end installer to ensure the correct glass is used and fitted correctly. Wholesale Glass Ltd. can only offer advice, if necessary professional bodies should be contacted.

