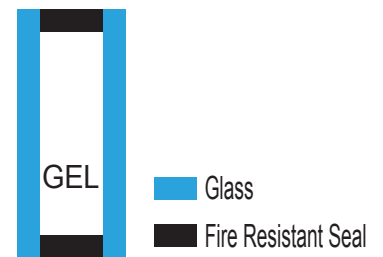


PYRO G GEL FIRE-RESISTANT GLASS

PRODUCT INTRODUCTION

PYRO G gel fire resistant glass is made of two to three layers of glass with its four edges double sealed with flaming retarding sealant, and filled with fire resistant gel in the cavity. This special gel makes the glass fire resistant and it belongs to Grade A (EI) class fire resistant glass.

It is recommended to use this product for fire rated windows and doors and related accessories.



FIREPROOF PRINCIPLE

Fire can produce a large amount of heat, and the heat can transfer glass by radiation and transmittance. To a certain degree, the heat can burn the people and objects behind the glass without direct contact. Gel fire resistant glass has integrity and thermal insulation property during the fire so to protect safety of people and property.

Its special fire resisting gel looks like gelatin jelly when solidifies and sticks together with the glass. When at fire the gel can quickly harden and become a non transparent slab, in this process, the gel absorbs large amount of heat and thus makes the temperature behind the glass do not exceed 140℃, therefore stops the heat transmitting to the other side of the glass, and the strength of the slab can effectively stop the spreading of fire, smoke and poisonous gas.

PROPERTY AND FEATURE

- ◇ Integrity and thermal insulation: to project the safety of life and property;
- ◇ Good light transparency: new generation product not getting dark by aging;
- ◇ Moisture proof: can be used in damp environment as long as it is not long time immersed in water.
- ◇ Good acoustic insulation;
- ◇ Double Safety Shield: glass fragments will don't fall off when glass is broken because of gel sticking together with glass;
- ◇ Curved shapes: available upon requests.

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APPLICATION

The product is widely used in fire rated windows and doors and fire rated windows components.

STORAGE, TRANSPORTATION AND INSTALLATION

- ◇ The glass should be stored in a environment between -20℃ to 40℃ temperature. Lower temperature can produce crystal
- ◇ During transportation and storage, the glass should be kept upright and protected with wood beam or rubber pad as cushion at the bottom
- ◇ The gel is soft so please do not handling and placing horizontally and be careful to avoid edge and corner bumps
- ◇ When the glass is being transported, please use special pallet or wood box for glass, and the glass should be separated with paper or soft pad
- ◇ During transportation, the glass should be laid in the direction of moving in order to avoid bumping during transportation
- ◇ The four edges of the glass is black sealant frame, suitable for molding and inlaying installation
The slot of fire rated frame is at least 20mm in depth
- ◇ During installation the glass cannot directly contact the metal
- ◇ After installation the glass should be sealed on to the frame immediately with neutral silicone sealant
- ◇ The glass should be installed according to the direction marked on the label
- ◇ If you need more information of this product, please contact us anytime.

TECHNICAL PARAMETER

Rating Class	Type	Fire Resistant Time(min)		Thickness (mm)	VLT (%)	Weight (kg/m ²)	Thickness Tolerance (mm)	Size Tolerance (mm)	Recommended Size
		Integrity	Thermal Insulation						
EI	AG-35	90	90	35	82	65	±1.5	±4	< 1.5m ²
	AG-28	60	60	28	85	50	±1.5	±4	< 1.5m ²
	AG-20	30	30	20	88	40	±1.3	±3	< 2m ²