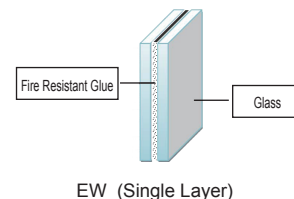


PYROGREEN FIRE-RESISTANT GLASS

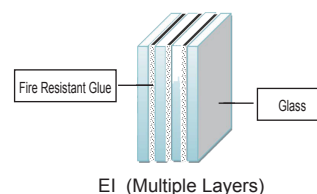
PRODUCT INTRODUCTION

PYROGREEN® has incomparable superiority. It is intumescent laminated fire rated glass with multiple layers of glass and fire resistant glue with special process. It has increased safety property because of the sandwich structure which makes the glass stick tightly with the glue to avoid spontaneous breakage.

Thickness can be varied from 7 to 56mm. Its unique glue layer makes it fire proof and more designable. Decorative processing on the surface can be done on the surface while not affecting the fire resistant performance.



EW (Single Layer)



EI (Multiple Layers)

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. PYROGREEN® intumescent laminated fire rated glass is designed to prevent people from being burnt by the heat and reduce the damage of fire to its minimum.

During a fire, it can keep good integrity. The glass facing the fire cracks quickly and the several layers of fire proofing glue will expand and sponge to multiple hard slabs in succession when the temperature rises. In this process, large amount of heat is absorbed and insulated by the sponged slab and thus makes the temperature behind the glass do not exceed 140°C. The sponged slab can effectively block heat, fire, smoke and poisonous gas and provide real safety and protection.

TECHNICAL PARAMETER

Rating Class	Type	Fire Resistant Time(min)		Thickness (mm)	VLT (%)	Weight (kg/m ²)	Thickness Tolerance (mm)	Size Tolerance (mm)
		Integrity	Thermal Insulation					
EI	AF-15	30	30	15	85	37	±1.0	±3
	AF-26	60	60	26	80	64	±1.5	±5
	AF-35	90	90	35	75	87	±1.5	±5
	AF-56	120	120	56	63	138	±2.5	±5
	AF-28	240	60	28	81	69	±1.5	±3
EW	CF-12	120	Radiation heat resistance	12	85	30	±1.0	±3
	CF-20	180	Radiation heat resistance	20	81	49	±1.3	±4
	CF-7	30	Radiation heat resistance	7	87	17	±1.0	±2
	CF-13	60	Radiation heat resistance	13	85	31	±1.0	±3
	CF-18	120	Radiation heat resistance	18	82	44	±1.3	±3

PYROGREEN FIRE-RESISTANT GLASS

STORAGE, TRANSPORTATION AND INSTALLATION

- ◇ The product must be stored in dry and ventilated area, and application and storage temperature should be between -20°C and 40°C
- ◇ It cannot be directly exposed to sun light or ultra violet
- ◇ During transportation and storage, the glass should be kept upright and protected with wood beam or rubber pad as cushion at the bottom
- ◇ It must prevent water and moisture, and the glass edge is not allowed to contact water
- ◇ The glass edge is sealed with protection membrane. Inspection of the membrane is necessary, if there is damage, it should be fixed immediately. The edge should be kept sealed all the time
- ◇ During transportation, please use special pallet or wood box for glass, and each piece of glass should be separated with paper or soft pad
- ◇ During transportation, glass with large size should be placed in the vehicle's moving direction, in order to avoid impact damage caused by inertia force
- ◇ Fire proofing frame that matches the glass should have at least 20mm slot depth
- ◇ During installation, between the bottom and top edge of the glass and the frame there should be a 5-6mm space each. Direct contact with metal frame is not allowed
- ◇ Depend on product thickness, between the left and right edge of the glass and the frame there should be a 4-8mm space each. Direct contact with metal frame is not allowed
- ◇ After installation, neutral silica gel should be applied to seal the glass on the frame
- ◇ When the glass is used in exterior of building, the glass should be installed in the right direction according to the label on glass
- ◇ If you need more detailed suggestion, please contact us