

## **26mm fire resistance double layer glass--Advanced in fire-rated glazings**

Fire proof glass is mainly to control the spread or smoke, and is a measure of fire-resistant materials. The fire effect evaluate by fire performance. It is produced in special process that has been specially processed and processed to maintain its integrity and heat insulation in specified refractory tests.

Double layer fire resistance glass are composed by two glass (special needs can be used three glass), surrounded by a special flame retardant tape seal. The middle of the perfusion of glue, after curing for the transparent jelly and glass bonded into one.

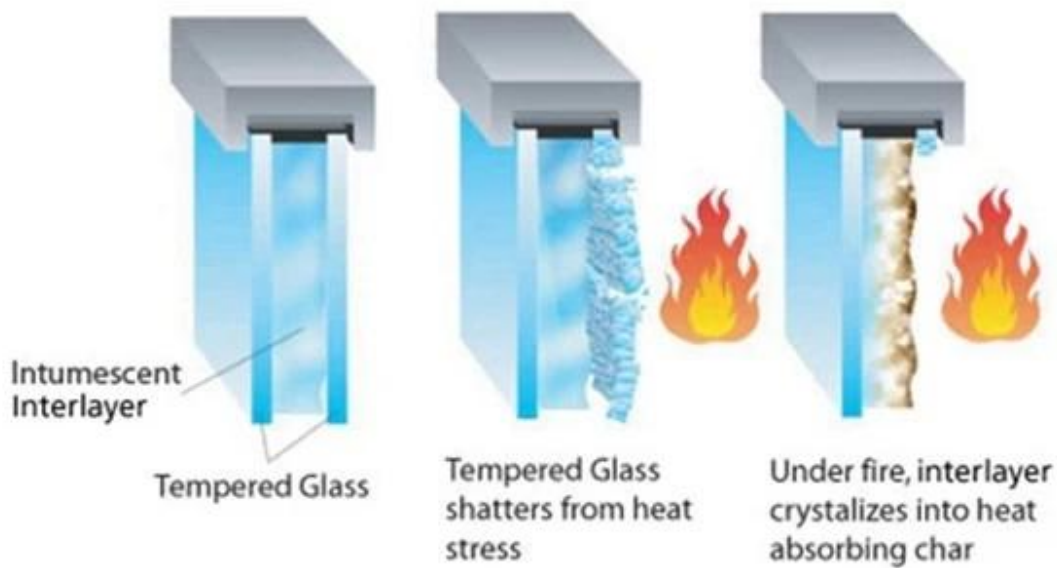
Sun Global Glass mainly produce two kinds of fire resistant glass, single layer and double layer fire proof glass.



**Fire principle of double layer fire resistance glass:**

After the case of high temperature, the transparent jelly fire adhesive layer in middle of the glass will quickly induration, forming an opaque fire insulation board. Not only prevent the spread of the flame, but also to prevent high temperature to the back surface conduction. This type of fire glass has fire insulation performance, and sound insulation feature. It can manufacturer into curved glass.

## How it works:



### Fire performance types:

#### Insulation type fireproof glass (Class A)

At the same time to meet the fire integrity, fire insulation requirements of the fire glass, include perfusion fire proof glass . This kind of glass has light transmission, fire proof ( smoke resistance, fire insulation, shielding heat radiation), sound insulation, impact resistance, suitable for building decoration that require both transparent and fireproofing.

#### Non-insulated fireproof glass(Class C)

Only to meet the requirements of the fire integrity of the monolithic fire glass. Such glass has a light transmission, fire, smoke, high strength. Applicable to no insulation requirements of the fire glass partition wall, fire window, outdoor curtain wall and so on.

#### Specification of double layer fireproof glass:

Fire resistance time: 30mins, 45mins, 60mins, 90mins, 120mins, 180mins  
Thickness: 16mm, 20mm, 26mm, 30mm, 36mm, 60mm

**S Z G**

Professional glass manufacturer

**SZG Double Layer Fire Resistance Glass**

Thickness	Performance	Fire Insulation Max Time(Mins)	Weight (KG/SQM)	Fire Side Temperature(°C)	Opposit Fire Side Temperature(°C)	Sound Insulation (DB)
60±2.0	A3.00 super Grade	180	≈80	1113	< 129	≈60
36±2.0	A2.00 I Grade	120	≈55	1060	< 140	≈60
30±1.5	A1.50 I Grade	90	≈50	1017	< 120	≈55
26±1.5	A1.50 I Grade(A CLASS)	60; 90	≈45	1017	< 120	≈55
20±1.3	A1.00 I Grade(B CLASS)	45; 60	≈35	939	< 100	≈35
16±1.0	A0.50 IV Grade	30; 46	≈30	920	< 140	≈35

For reference only

**Application of double layer fire proof glass:**

Applicable to fire doors and windows, building patio, atrium, shared space, computer room fire partition wall.

IMPORTANT NOTE: This kind of glass is surrounded by a black sealed border and suitable for Peripheral crimping mosaic installation.

**Picture of 26mm fire rated double layer glass:**

**Shenzhen Sun Global Glass**

