

12mm [fire resistance tempered glass](#)--Advanced in fire-rated glazing.

Characteristics of performance: the single fireproof glass with refractory integrity, is a class C fire glass, glass with high strength and good fire prevention integrity, smoke, good weather resistance. Its intensity is 6 to 12 times the size of float glass, toughened glass is 1.5 3 times, can prevent indoor fire spread outward to indoor and outdoor fire spread. Thickness is 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 15 mm and 19 mm, fire time is 30 minutes, 45 minutes, 60 minutes, 90 minutes, 120 minutes, 180minutes etc.

Specification:

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|----------------|--|
| Glass Type | Single layer fire glass, double layer fire glass |
| Thicknesss | 1. Single layer: 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm 2. Double layer: 16mm, 20mm, 26mm, 30mm, 36mm, 60mm |
| Size | Customized sizes |
| Fire rate time | 30mins,45mins,60mins,90mins,120mins,180mins |
| Fire category | insulated / non-insulated |
| Use Place | Indoor/ outdoor |
| Wired | Yes/ No |
| Certifications | CE, ISO, CCC, BS6202 |

- 1.Glass name: 12mm Fire resistant glass
- 2.Other name: 12mm monolithic fireproof glass, 12mm fire resistance glass, 12mm fire rated glass, etc.
- 3.Glass substrate: one single layer tempered glass; two or triple laminated tempered glass
- 4.Other Thickness options: 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm,... 60mm, etc.
- 5.Glass size and shape: customized size and shape
- 6.Fire insulation time: 60 minutes, 90 minutes, 120 minutes, 180 minutes.
- 7.Glass substrate: clear float glass, tinted glass, reflective glass, etc.
- 8.Production time: within 14 days, after payment received
- 9.Packing: brand new, seaworthy wooden crates with foam protection inside. Each glass is lining corks separation.

12mm monolithic [fireproof glass](#) must be treated by chemically and physically, this procedure can make float glass can withstand high temperature heat and flame, but the glass still can keep complete and transparent in a specific period.



12MM Monolithic Fireproof Glass Features:

- 1.Fire proof glass can last 90 to 120 minuted in a 1000 degrees frame;
- 2.High light transmittance & thermal stability;
- 3.Without self-explosion;
- 4.Safety:Even if broken, the fire proof glass will be broken into fragments with no sharp edges;
- 5.Preventing the spreading of smoke, toxic gas from flame to help evacuate people;
- 6.In the same thickness, its anti-shocking is roughly 1.5~3 times than tempered glass, 6~12 times than common glass

Glass Application:

8mm Fire rated glass can be applied to glass partition walls,glass facades on schools, hospitals, shopping malls, hotels, and other public places.