

fire rated
glazed doors



trinity
doors

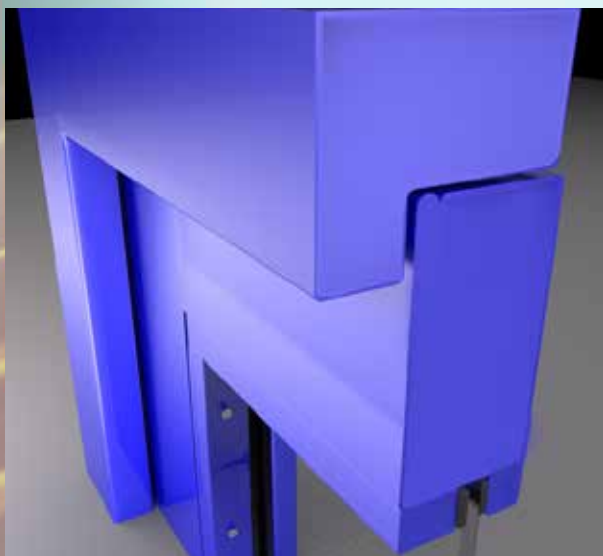
an engineered solution to any opening

glazed fire rated doors

Available in a variety of profiles and ratings, our glazed fire doors comes with steel systems or timber systems that utilize the SCHOTT's PYRAN® S fire rated glazing with our proprietary framing system.

The product combines inspirational design flair with performance rated protection to match demanding architectural specifications. The glazed fire rated door can be manufactured to suit different fire ratings and dimensions. With maximum glazed elements and sleek, minimal profiles in timber, stainless steel or GI steel powder coated colored finish, our fire door system also delivers on aesthetic appeal.

typical steel frame profile



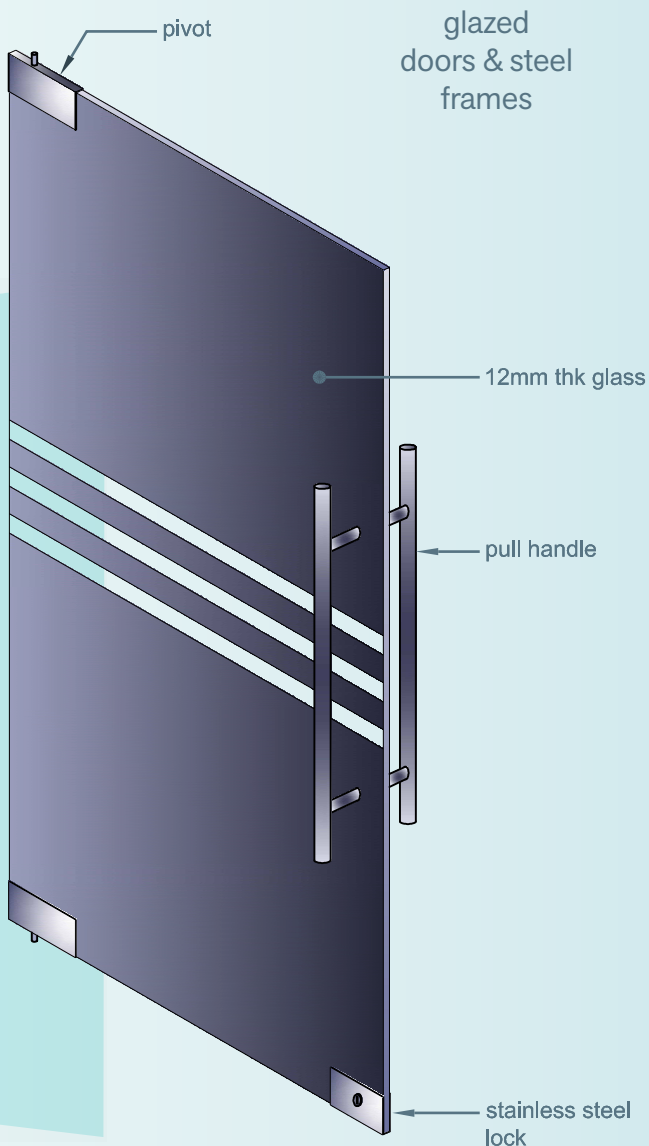
Our glazing system consists of SCHOTT's PYRAN® S borosilicate glass which is the ideal material for fire rating with structural application due to its reduced thermal expansion and inherent resistance to fire. PYRAN® S, a monolithic toughened glass, has unique borosilicate composition, enabling the glass to resist high temperatures and temperature differentials. The rate of expansion of PYRAN® S is only one third that of sodium silicate glasses, making it ideal for fire rated doors and structural glazing applications, where expansion and movement of the glass and supporting structures are critical.

The doors come in complete sets that include frames, fire rated glazing in a suitable frame work, latch, locking system, hinges and door closer where applicable. Due to the heavy weight of the door leaves, a specially designed adjustable ball bearing hinges are used to ease the opening and closing of the door.



features

- Fully certified to BS 476: Part 22 test standards
- Product approved on the basis of a design appraisal against Certify Technical Schedule, TS25.
- Fire resistance integrity from 30 minutes to 120 minutes depending on applications
- Suitable for different types of frame profiles
- Available in attractive RAL colors as door frame finishes available
- Variety of door hardware to suit the product requirement



applications

These doors are ideal for most applications that require a certified fire door with the added safety and benefits of fire resistant glass, especially in hospitals, schools, car parks, shopping centers, residential complexes, industrial complexes, public buildings, etc.

Glazed fire rated door with SCHOTT's PYRAN® S borosilicate glass has fire rating up to 120 minutes, depending on applications

technical details of SCHOTT's PYRAN® S glazing

Thickness	5 mm	6 mm	8 mm	10 mm	12 mm
Fire resistance class	E 30-60	E 30-120	E 30-120	E 30-120	E 30-120
Weight	11.4 kg/m ²	13.7 kg/m ²	18.2 kg/m ²	22.8 kg/m ²	27.4 kg/m ²
Light transmission	92 %	92 %	92 %	91 %	91 %
Ug value	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K
Sound insulation value Impact rating	30 dB	31 dB	32 dB	33 dB	34 dB
(according to EN12600)	1C2	1C1	1C1	1C1	1C1

Maximum glass dimensions of PYRAN® depend on the system that has been approved. This information can be found in the testing certificates and approvals.

Authorized dealer for Trinity Doors in UAE



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product range

- Stainless Steel Doors
- Hangar Doors
- Overhead Sectional Doors
- Fire Rated Doors
- Bullet Resistant Doors
- Sliding Doors
- Acoustic Doors
- Lead Lined Doors
- Detention Doors
- Roller Shutters
- Glazed Doors



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