



BHAWANI FIRE

Glazed Fire Rated Door

**120 Minutes Fire Rated Glazed Metal Door
with 30 Minutes Insulation**

Technical Data Sheet



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Glazed Fire Rated Metal Doors are engineered to deliver certified fire resistance while maintaining visibility, daylight flow, and spatial connectivity within a building. Combining a robust steel door assembly with tested fire-resistant glazing systems, these doors provide life-safety performance without compromising architectural intent.

Designed and tested in accordance with IS 16947 : 2018. Glazed fire rated metal doors achieve fire integrity and insulation performance as specified, depending on the configuration. The glass, glazing beads, seals, and fixing methods form an integrated, test-proven system, ensuring predictable behavior under fire exposure.

Glazed Fire Rated Doors and assemblies are optimum for usage in locations where visibility, supervision, or safe movement of occupants is essential, including:

- Exit corridors
- Lift lobbies and refuge areas
- Fire compartment boundaries
- Institutional and healthcare buildings
- High-occupancy commercial space

Where safety must be seen to be trusted— Glazed Fire Rated Metal Doors deliver certified protection with architectural clarity.

Construction

Door Frames and Shutters are precision formed with Galvanized Steel sheets with 120gsm Zinc Coating.

Door Frames are Single Rebate profile of size 35mm x 60mm on the vertical sides and 50mm x 60mm on the horizontal side made out of 1.60mm thick steel sheet.

Door Shutters are 60mm thick, lock-seam joined and precision welded, made out of 1.60mm thick steel sheet. The assembly is infilled with high density Rockwool insulation with minimum density of 96kg/m³.

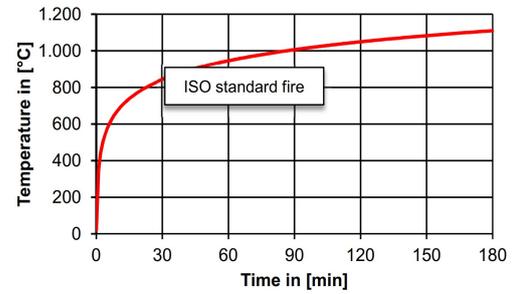
Hardware / Accessories

- Stainless Steel Ball bearing Hinges
- Self - Closing Door Closers
- Panic Exit Devices
- Vision Panel(s)
- Mortise Sash Latch Locks

Glass used in the assembly shall be either borosilicate clear glass in application for un-insulated door and / or interlayered gell filled clear glass for insulated door.



Standard : IS 16947 : 2018
 Product : 120 Minutes Fire Rated Glazed Door with 30 Minutes Insulation
 Laboratory : Central Building Research Institute (CBRI)
 Date : 29th July, 2025



Thermal Performance

Engineered and Tested to withstand over 1000 Degrees Celsius temperature due to fire as per the time temperature curve as per the relevant standards with <140 Degrees Celsius average surface temperature on the unexposed face throughout the duration of the insulation.

Seals

Intumescent Seals, manufactured to perform as gap closures in the event of fire are mandatory and provided to block the passage of flames and smoke through to the other side through operational gaps.

Finishes

- Standard RAL Shades
- Standard Woodgrain Shades