



**BHAWANI FIRE**



## **Wooden Fire Rated Door**

**120 Minutes Fire Rated Wooden Door with  
120 Minutes Insulation**

**Technical Data Sheet**



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Wooden Fire Rated Doors combine tested fire-resistance performance with the natural aesthetics of timber, making them an ideal solution for projects where life safety, compliance, and interior design must coexist. Engineered as complete door-set assemblies, these doors provide reliable fire containment while enhancing the visual character of interior spaces.

Wooden fire doors are widely specified in internal fire compartments and protected escape routes, including:

- Residential apartment entrances
- Hotel guest room doors
- Institutional and educational buildings
- Office interiors and corridors
- Fire compartment separation within buildings

Available with laminates, veneers, paint-grade finishes, and optional vision panels, Wooden Fire Rated Doors offer significant flexibility in design while maintaining strict compliance. Compatibility with certified fire-rated hardware—including self-closing devices, hinges, locks, and panic hardware—ensures performance consistency in real-world conditions.

Wooden Fire Rated Doors deliver the reassurance of certified fire safety with the elegance of timber—where compliance meets craftsmanship.

## Construction

Door Frames are manufactured with hardwood / teakwood of size 120mm x 70mm forming a single rebate profile.

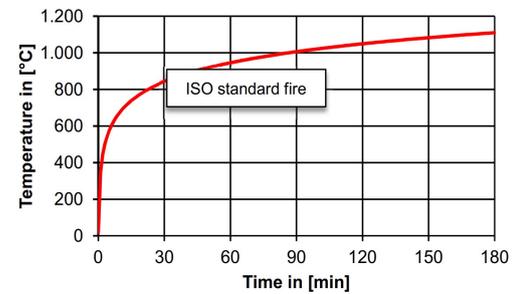
Door shutters are 55mm thick, asbestos free, composite fire rated assemblies comprising of two 10mm thick, fire rated, non-combustible calcium silicate boards, sandwiching mineral wool insulation of minimum 96kg/m<sup>3</sup> density, provided with hardwood lipping and heat activated intumescent strips on all sides within grooves of size 20mm x 4mm, except the door bottom.

## Hardware / Accessories

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

## Vision Pane

A maximum of 0.06m<sup>2</sup> of area is mandatorily recommended for the purpose of a vision panel. Eg. 200mm x 300mm.



## 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 a fire are mandatory, provided to block the passage of smoke and flames through to the other side.

## Finishes

- Standard RAL Shades
- Standard Woodgrain Shades



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| Standard   | : IS 3614: 2021  |
| Product    | : 120 Minutes Wooden Fire Rated Door with 120 Minutes Insulation |
| Laboratory | : AADCO  |
| Date       | : November, 2025   |