

FIRE RATED DOOR

Product Overview: Fire Rated Doors are essential for safety in both residential and commercial infrastructures. These doors are engineered to provide critical protection during fire emergencies by containing the spread of fire, smoke, and heat. Designed for durability, strength, and maximum fire resistance, Fire Rated Steel Doors are an ideal solution for ensuring life safety and structural protection.

These doors are manufactured with precision using high-quality materials to meet safety standards and can be customized to suit specific applications.



1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Fire Rated Door

2. TECHNICAL SPECIFICATIONS :-

Material of Construction	Galvanized Iron (GI) Sheets
Sheet Thickness	1.2 mm / 1.6 mm (Customizable as per requirement)
Core Material	Infill Honeycomb (provides insulation and fire resistance)
Fire Resistance Rating	Up to 120 minutes (depending on size and core material)
Door Frame	Galvanized Steel Frame
Surface Finish	Powder Coated (Weather and corrosion resistant)
Colour	Red (Standard) or Customizable
Door Size	Customizable as per client requirements
Vision Panel	Fire-rated glass (optional, size customizable)
Seal Type	Fire-rated seal between door and frame
Locking Mechanism	Panic Bar/ Lever-Type Lock (as per application)
Hinges Type	Heavy-duty fire-rated

3. HARDWARE SPECIFICATIONS :-

Panic Bar/Lever Lock	High-quality fire-rated locking system for quick evacuation.
External Trim	Durable trims for added protection
Vision Panel	Fire-resistant glass panel for visibility (optional)
Door Closer	Certified fire-rated door closer for self-closing functionality
Fire Rated Seal	Ensure tight sealing between door and frame.

4. KEY FEATURES :-

- Fire Resistance – Provides protection for up to 120 minutes, containing fire and smoke.
- Durability – Made with high-strength GI sheet and insulated core materials.
- Customizable Design – Doors and frames can be tailored to suit specific dimensions and finishes.

- Enhanced Safety – Equipped with a panic bar, drop seal, and fire-rated seals for optimal performance.
- Corrosion Resistance – Powder-coated finish protects against weather and environmental conditions.
- Certified Components – Uses fire-rated hardware for compliance with safety standards.

5. APPLICATIONS :-

- Residential Buildings – Staircases, fire exits, and safety enclosures.
- Commercial Spaces – Offices, malls, hotels, and healthcare facilities.
- Industrial Units – Factories, warehouses, and manufacturing plants.
- Public Infrastructure – Airports, train stations, and educational institutions.

6. COMPLIANCE & CERTIFICATIONS :-

- Certified for fire resistance (120 minutes) under applicable safety standards.
- Tested and approved for use in residential, commercial, and industrial environments.

7. WARRANTY :-

Fire Rated Doors come with a 12-month limited warranty covering manufacturing defects and workmanship.

Warranty Terms – Applicable for defects in materials and construction.

- Does not cover damage caused by improper installation or misuse.
- Palladium Safety Solutions Pvt. Ltd. Reserves the right to repair or replace defective products.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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