

Sliding Fire Doors



Product overview:

In order to effectively manage and contain the spread of fire within buildings, a strategy known as compartmentation is employed. This strategy commonly involves the use of fire-rated wall systems to partition areas into smaller, more manageable sections. In some cases, there may be a need for larger openings in these walls.

For such situations, AAFD Sliding Fire Doors have been developed. These doors are in compliance with the Australian Building Regulations AS 1530 Part 4, meeting the highest standards for Fire Resistance Level specifications.

Manufacturing Quality:

ISO 9001 Certified Quality Management Systems
 ISO 45001 Certified Safety Management Systems
 ISO 14001 Certified Environmental Management Systems
 ISO 26000 Certified Corporate Responsible Business



Application:

AAFD Sliding Fire Doors are designated for a wide array of industrial and commercial purposes. Typically, sliding fire doors are required for use in settings such as factories, warehouses, parking facilities, shopping centres, medical facilities & educational institutions.





Requirements:

Every AAFD Sliding Fire Door must adhere to the following criteria:

- Comply with AS 1905.1 and the applicable State Building Code of Australia.
- Have a minimum overlap of ≥ 100 mm around the opening when in the closed position, at both the head and vertical edges of the door set.
- In configurations involving multiple door leaves, each leaf must have an overlap of ≥ 100 mm with the adjacent one.
- If the doors are intended to be held open during regular operation, they must incorporate a magnetic hold-open device that can be deactivated by a compatible fire alarm system to automatically close the sliding door.

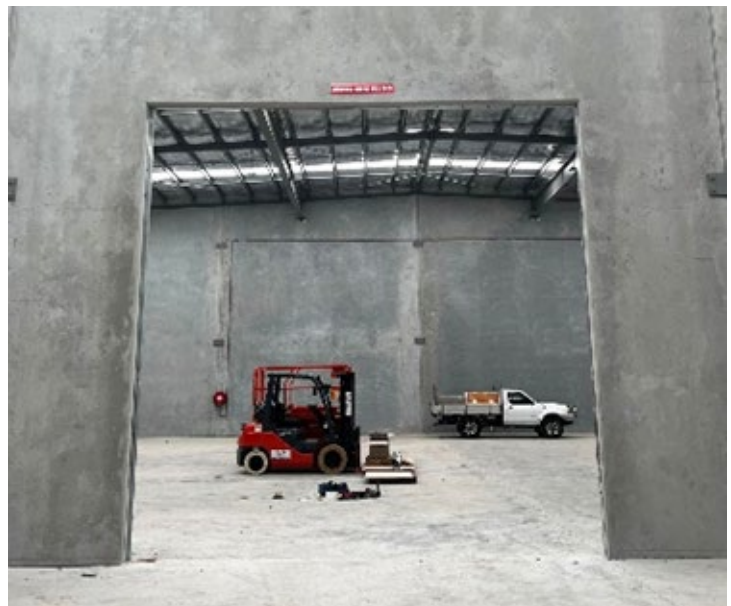
Selection:

An AAFD sliding door system selected for the application at hand is dependent on the size of the opening to be covered and the available room around the opening.

Configuration:

When opting for an AAFD Sliding Fire Door system, it is imperative to consider the dimensions of the opening that requires coverage and the available space around the sides and above the opening. The available sliding door configurations are as follows:

- Single Leaf
- Bi-Parting
- Multiple Leaf
- Combination Multiple Leaf Bi-Parting



Optional Features:

Sliding Fire Doors are available with the following options:

- Automated sliding door control
- Speed limiting devices for closing speed control
- Mild steel, stainless steel and plywood facings
- Personnel "Wicket" doors with one or two Access Wicket doors

Counter weight assembly:

All sliding doors have counterweight assembly located at the leading or trailing edges. Bi-parting, multiple leaf & combination doors, depending on size, may require more than one counter weight system.

Construction:

- Vermiculite monolithic refractory core
- Internal Timber edge strips
- Metal reinforcement & capping

Finishes:

- STD
- HPL
- Veneer
- Metal (mild steel, aluminium, colour bond)

Hardware:

Sliding Fire Door sets are supplied standard with tested and approved fire rated hardware combinations.



Installation:

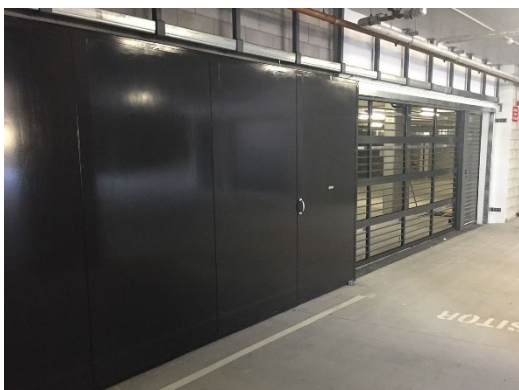
It is a requirement that all Fire Doors are to be installed in accordance with the Australian Standards. Australian Architectural Fire Doors are a trained & BCC Licenced company that can offer Sliding Fire Door installation, satisfying all requirements.



Maintenance Requirements:

Given the size, weight, and complexity of the operating systems, building owners and operators must adhere to maintenance requirements, as stipulated in AS1851, at a minimum, to ensure the effective operation of the system in emergency situations.

1. **Routine Testing:** Sliding Fire doors should be tested regularly to ensure they operate as intended. This may include periodic checks of the door's closing mechanism, seals, and alarms.
2. **Repairs and Upkeep:** Any damaged or malfunctioning components should be promptly repaired or replaced to maintain the door's fire resistance.
3. **Annual Inspection:** Certified professional to conduct an annual inspection to ensure that the door complies with fire safety codes and regulations.
4. **Documentation:** Maintaining records of inspections, repairs, and testing is crucial for compliance and liability purposes.



Certification:

Sliding Fire doors must undergo rigorous testing and inspection processes to confirm their ability to withstand fire and smoke, protecting lives and property. Compliance with Australian Standards is vital. It is a requirement that all Fire Doors are to be installed in accordance with the Australian Standards. AAFD provide approved Sliding Fire Door systems & accredited certification.

For any information regarding Sliding Fire Doors please contact our friendly sales team on 07 388 5911