



Fyreslide -/120/30

Insulated sliding fire door specification

PERFORMANCE REQUIREMENT:

The Fyreslide -/120/30 steel insulated sliding fire door shall be supplied and installed in accordance with NZS 4520. When fire tested in accordance with Clause 3 Determination of Fire Resistance it shall provide a minimum Fire Resistance Rating (FRR) of -/120/30.

PRODUCT SPECIFICATIONS

Fyreslide -/120/30 sliding fire door by Smoke Control T: 09 300 1980; info@smokecontrol.co.nz

System parameters;

- a) -/120/30, AS1530.4:2014
- b) Maximum size;
 - i) Maximum door leaf size - 8000mm (W) x 5000mm (H); Where the door leaf width is to exceed 7400mm, the leading edge shall overlap the wall by at least 200mm.
 - ii) Maximum opening size (accounting for reqd. overlaps) – 7700mm (W) x 4900mm (H)
- c) Gaps & overlaps (fully closed position)
 - i) Overlap at leading edge, nominally 100mm. 200mm for door leaf width >7400mm.
 - ii) Overlap at trailing edge, nominally 100mm.
 - iii) Overlap at head, nominally 100mm.
 - iv) Gap at sill, $3\text{mm} < X < 10\text{mm}$ including floor covering and <25mm for non-combustible threshold (NZS 4520)
- d) Threshold; Concrete or other non-combustible material unless an alternative form of construction has been subjected to the fire resistance test. Threshold must extend >100mm from wall face and >150mm in each direction from the vertical plane of symmetry of the door (NZS 4520)
- e) Deployment speed (counterweight system)
 - i) In accordance with NZS 4520
 - ii) deployment speed varies with door size.
- f) Dimensions
 - i) Door leaf; as above
 - ii) Top track length; dependant on door size & overlaps. Nominally >2*door width
 - iii) Pulley housing; typically, 250mm (W) x 200mm (D)
- g) Power requirements (only applicable if optional magnetic hold-open required) – 24VDC 70ma or 12VDC 140ma
- h) Alarm Input – 24V supply required for optional magnetic hold device.
- i) System weight
 - i) Nominally 44kg/m²
 - ii) Note: for applications where pressure differentials are expected, consideration should be given to the induced loading on the surrounding structure of this pressure to ensure appropriate restraint of the system.
- j) Supporting construction type;
 - i) Concrete; at least 190mm thickness.

Auxiliary items available;

- k) Control system: Closed under normal conditions. Automatically closes via counterweight pulley system when opened.
- l) Optional electromagnetic hold-open device available.
- m) Maintenance: All fire doors shall be listed on the Essential Services Register and shall be maintained by competent technicians in accordance with AS1851:2012 and the manufacturers recommendations

APPLICATIONS

- As defined by the Acceptable Solutions for the respective building type
- The Architects specification must align with the Fire Engineers Report for PS3 sign off

Note: Some applications listed above may require a Performance Solution to be compliant. Please check with your Certifier prior to specifying this product.

INSTALLATION

Sliding Fire Door

The sliding fire door shall be installed, certified, commissioned and tagged in accordance with NZS4520 and Smoke Control's (manufacturer) instructions by an ISO9001 Quality, ISO18001 WHS and ISO14001 Environment Accredited manufacturer.

The sliding fire door shall be installed with all required overlaps as specified above.

COMMISSIONING

NZS 4520 Clause 5.5 commissioning testing shall be conducted to verify the self closing and latching function and the results recorded on the commissioning certificate provided in an applicable Operations and Maintenance Manual or equivalent QA report. The sliding fire door systems shall be then tagged with appropriate compliant tag in accordance with NZS4520 – 2010.

PS3 forms shall be issued by the sub-contractor in accordance with the construction contract.

All details and approvals are current as of the date displayed. This document supersedes all previous versions.