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 AS1905.1:2015. When fire tested in accordance with Clause 3 Determination of Fire Resistance it shall provide a minimum Fire Resistance Level (FRL) of -/120/30.

PRODUCT SPECIFICATIONS

Fyreslide -/120/30 sliding fire door by Smoke Control T: 1300 665 471; info@smokecontrol.com.au

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, 3mm < X < 10mm including floor covering and <25mm for non-combustible threshold (AS1905.1:2015)
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 (AS1905.1:2015).
e) Deployment speed (counterweight system)
    i) In accordance with AS1905.1:2015
    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/m^2
    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

- Protection of openings in external walls (NCC C3.4)
- Protection of openings in fire compartment walls (NCC C3.5)
- Separation of fire compartment where it exceeds maximum size or volume (NCC C2)
- Security separation between two areas

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 AS1905.1:2015 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

Once installed it shall be demonstrated that the system shall fail-safe close on release or on loss of power to optional magnetic hold device on the receipt of an alarm signal. Door nominally remains closed. On reset of fire alarm and setting of door back to magnetic hold-open device, door will be held open. The sliding fire door shall be tested a minimum of three consecutive times on general building alarm with no failure.

Certificates of Compliance shall be issued by the sub-contractor in accordance with National Construction Code A2.2 and A2.3 Evidence of Suitability and AS1905.1:2015 Section 6 Marking and Other Documentation.

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