Windowshield® -/60/- Fire Shutter Specification

Integrity Only | Single Coil | Small Span

Performance Requirement

The Windowshield® -/60/- Fire Shutter shall be supplied and installed in accordance with AS1905.2:2005, with activation via a UL-approved 68-degree Centigrade fusible link located at the center of the unit.

When fire tested in accordance with AS1905.2:2005 *Clause 3 Determination of Fire Resistance* it shall provide a minimum Fire Resistance Level (FRL) of -/60/- and a radiant heat flux of no more than 15kW/m^2 at 365mm from the unexposed face of the shutter, 30 minutes into the Standard Fire Test.

Product Specified

Windowshield® -/60/- Fire Shutter by Smoke Control T: 1300 665 471; info@smokecontrol.com.au

System Parameters

1) Fire performance (AS1530.4:2014) – -/60/- (or E60)
2) Air leakage performance (AS1530.7:2007) – 0.115 m^3/min/m^2 @ 200°C, 25Pa (fabric only)
3) Maximum size – 2750mm(W) x 2750mm(H)
4) Component dimensions:
    a) Headbox – 145mm(H) x 132mm(D)
    b) Side Guide – 90mm(W) x 50mm(D)
    c) Bottom Sill (if required) – 50mm(W) x 50mm(H)
5) Maximum pressure resistance:
    a) Deploying – 0Pa
    b) Deployed – 20Pa
6) System weight – 20kg per metre width
7) Approved supporting construction:
    a) Masonry
    b) Concrete
    c) Fire rated plasterboard with steel or timber stud
8) Approved installation configurations:
    a) Headbox:
        i) Face fixed to the wall
    b) Side Guides:
        i) Face fixed to the wall

Required Ancillary Items

1) Third-Party Product Listing: The product shall be manufactured under the Third-Party Product Listing scheme known as the Warnock Hersey Mark and shall bear the Warnock Hersey Certification Mark.
2) Maintenance: All fire shutters shall be listed on the Essential Services Register and shall be maintained by competent technicians in accordance with AS1851 and the manufacturer's recommendations.

Applications

- Protection of openings from SOU on to common corridor NCC2022 C4D12 (NCC2019 C3.11)
- Protection of openings in external walls NCC2022 C4D5 (NCC2019 C3.4)

Note: Windowshield® Fire Shutters have been used on projects requiring compliance with NCC Volume 2 for Class 1 & 10 buildings protection of openings on external walls in accordance with NCC2019 Vol2 Clause 3.7.2.4 (c)(ii), as an acceptable construction. Please check with your Certifier for acceptance of this system prior to specifying system.

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

Installation

Fire Shutters

The fire shutters shall be installed, certified, commissioned and tagged in accordance with AS1905.2:2005 by an ISO9001 Quality, ISO18001 WHS and ISO14001 Environment Accredited manufacturer.

When installed the system shall consist of a single overhead barrel for the full width of the opening. While some Registered Testing Authorities provide Formal Opinions regarding the expected fire resistance level of fire shutters, they do not discuss nor provide a warranty regarding their reliability.

Threshold

Unless addressed as part of an appropriate performance solution the shutter must deploy onto a fire rated or non-combustible threshold as per requirements of AS1905.2:2005 and AS1530.4:2014. The maximum gap permitted at the threshold is 25mm.

Commissioning

Once installed it shall be demonstrated that the system shall fail safe on simulation of activation of linked. Unit should be then tagged with appropriate AS1905.2:2005 compliant tag.

Certificates of Compliance shall be issued by the sub-contractor in accordance with NCC2022 A5G3 & A5G4 (NCC2019 A5.2 & A5.3) and AS1905.2:2005 *Clause 7 Certification*.

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