Smokehalt® Static Specification

Fabric Baffle

Performance Requirement

The Smokehalt® Static Fabric Baffle system shall be supplied and installed in accordance with the deemed-to-satisfy building code requirements for smoke reservoirs under NCC2022 S21C4(1) (NCC2019 Specification E2.2b Clause 4(a)).

Note: The Smokehalt® Static Fabric Baffle system is non-load bearing and shall not be used to support ceilings or other structures. Surrounding structure should be designed to carry any required supporting loads.

Product Specified

Proprietary System: Smokehalt® Static Fabric Baffle system by Smoke Control T: 1300 665 471; info@smokecontrol.com.au or approved equivalent.

System Parameters

1) Fire performance – N/A
2) Air leakage performance (AS1530.7:2007) – 0.115 $m^3/min/m^2$ @ 200°C, 25Pa (fabric only)
3) Smoke rating (EN12101-1) – D30, D60, D120, DH30, DH60, DH120
4) Maximum size – 5000mm(H) (unlimited width)
5) Component dimensions:
    a) Mount Angle – 75mm(H) x 50mm(D) x 3mm(T) gal. steel angle
6) Maximum pressure resistance – 25Pa when deployed
7) System weight:
    a) System sizes up to 1000mm(H) – 4kg per metre width
    b) System sizes up to 2000mm(H) – 4.5kg per metre width
    c) System sizes up to 3000mm(H) – 5.5kg per metre width
    d) System sizes up to 4000mm(H) – 6kg per metre width
    e) System sizes up to 5000mm(H) – 7kg per metre width
8) Approved supporting construction:
    a) Masonry
    b) Concrete
    c) Fire rated plasterboard with steel or timber stud
    d) Structural steel section

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 smoke curtains 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

- Smoke reservoirs for Smoke Exhaust Systems as in NCC2022 S21 (NCC2019 Specification E2.2b) & AS1668.1:2015

- Smoke reservoirs for Smoke and Heat Vents as in NCC2022 S22 (NCC2019 Specification E2.2c) & AS2665:2001

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

Installation

The Smokehalt® Static Fabric Baffle system shall be installed, certified, commissioned and tagged in accordance with Smoke Control Pty. Ltd.'s (manufacturer) instructions by an ISO9001 Quality, ISO18001 WHS and ISO14001 Environment Accredited manufacturer.

Supporting construction must be analysed and verified to ensure structural adequacy to support the system self-load and any additional loads resulting from the present of mechanical ventilation, smoke exhaust or external wind loads.

Commissioning

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.