Stopline® Specification: -/60/30 Glazed Door

PERFORMANCE REQUIREMENT:

The Stopline® -/60/30 glazed door system shall be supplied and installed in accordance with the deem-to-satisfy building code requirements under NCC2019 C3.4 (a)(i)(B) and Specification C3.4 for fire rated doorway in openings close to boundaries and achieve an FRL of -/60/30 in accordance with AS1530.4:2014. The installation shall be in accordance with AS1905.1:2015 and Smoke Control Pty Ltd manufactures recommendations.

Note: The Stopline® -/60/30 glazed door system is non-load bearing. Surrounding structure should be designed to carry any required supporting loads. Structural adequacy with respect to FRL is not required for the glazed system in accordance with NCC 2019 Schedule 5 – Clause 6.

FIXED PANEL		
Characteristic	**Internal (DGU)**	**External (DGU)**
Glass thickness (nominal)	20mm	40-42mm
Sound Reduction (Rw glass only, EN140-3)	41 (-2, -2) dB	40 (-1, -4) dB
Light Transmission (EN140)	84%	77%
U-value (glass only, EN673)	4.7 W/m2K	1.1 W/m²K
SHGC (G value, EN410)	0.68	0.59

PRODUCT SPECIFIED

Proprietary System: Stopline® -/60/30 glazed door system by Smoke Control T: 1300 665 471: info@smokecontrol.com.au

The system consists of a propriety cold formed and seam welded steel profile frame and operable leaf, incorporating beading with concealed fixing, and tested clear Class A safety Glass.

System parameters:

a) Fire Performance:
   - i) Door (both single and double):
     - i. Internal application; -/60/30, 'Glass Contraflam 30-2'
     - ii. External application; -/60/30, 'Glass Contraflam 30 Climaplus'
   - ii) Top lights:
     - i. Internal application; -/60/30, Glass 'Contraflam 30-2'
     - ii. External application; -/60/30, Glass 'Contraflam 30 Climaplus'

b) Maximum sizes:
   - ii) Door (-/60/30):
     - i. Single Door – 2520mm H x 1450mm W
     - ii. Double Door – 2520mm H x 1250mm W per leaf (total 2500mm W)
   - iii) Top Lights (-/60/30):
     - i. Top light – total system height up to 4m with required mullions

c) Dimensions Frame Profile:
   - i) Fixed and lights:
     - i. Internal application – 65mm deep x 70mm wide
     - ii. External application – 65mm deep x 70mm wide
   - ii) Door frame (both single and double):
     - i. Internal application – 65mm deep x 70mm wide
     - ii. External application – 65mm deep x 70mm wide
   - iii) Door leaf (both single and double):
     - i. Internal application – 65mm deep x 70mm wide

ii. External application – 65mm deep x 70mm wide

d) Framing types:
   i) Galvanized
   ii) Stainless steel (optional)
e) Supporting construction type:
   i) Masonry
   ii) Concrete
   iii) Fire rated plasterboard with steel or timber stud
f) Door Hardware:
   i) Lock – Proprietary Mortice
   ii) Handle – Kaba N602 & N601 series
   iii) Closer
      i. Single leaf – Dorma TS93
      ii. Double leaf – Dorma TS93 GST
      iii. Drop Down Seal (Specific TBA)
g) Gasketing – Smoke Control proprietary integrated black rubber gasket
h) System weight:
   i) Fixed glazing:
      i. Internal; Nominally 44 kg/m^2
      ii. External; Nominally 59kg/m^2
   ii) Door; 2400mm H x 1200mm W; Nominally 150kg
i) Powder-coating: Standard range Dulux Duralloy Colours. Other colour ranges are available on request.

Ancillary items required:

j) Maintenance: All Visioneering systems shall be maintained by competent technicians in accordancewith AS1851 and the manufacturers' recommendations
k) Safety decals: These can be installed externally on the glazing in accordance with EN testing or canbe factory etched internally into the glass assembly.
l) Tinting and visibility control: Glass should include a translucent privacy film.
m) Electronic hold open: Integrated 24v DC magnetic hold open is available in the door closer mechanism, alarm signal by others. Must be installed with a physical door stop (by others) toprevent door over swinging and damaging integrated hold open device

APPLICATIONS

- Protection of openings in external walls & Acceptable methods of protection (NCC C3.2 & C3.4)
- Openings in external walls of fire-isolated exits (C3.8)
- Opening in bounding construction of SOU, Class 2, 3 and 4. (C3.11)
- Openings in external walls from the point of discharge of a fire isolated exit or on an external stairway or ramp (D1.7, D1.8)

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 Stopline® -/60/30 glazed door system shall be installed, certified, commissioned and tagged in accordance with AS1905.1:2015 and Smoke Control Pty Ltd manufactures instructions by an ISO9001 Quality, ISO18001 WHS and ISO14001 Environment Accredited manufacturer.

Threshold

Clearances between the bottom of the glazed door leaf and the floor shall be in accordance withAS1905.1:2015 - Clause 5.5.1. and as follows:

(a) Between the leaf and the top surface of the floor including any floor covering – not less than 3mm andnot more than 10mm.

(b) Between the leaf and the top of the non- combustible threshold – not more than 25mm.

Any floor coverings across the threshold should be in accordance with AS1905.1:2015 – Clause 5.5.1.Certification these floor coverings is by others.

COMMISSIONING

Glazed Fire Doors

AS1905.1: 2015 commissioning testing shall be conducted to verify opening forces and the results recordedon the commissioning certificate provided in an applicable Operations and Maintenance Manual or equivalent report. The glazed fire door systems shall then be tagged with an appropriate compliant tag in accordance with AS1905.1:2015.

Certificates of Compliance shall be issued by the sub-contractor in accordance with National ConstructionCode A2.2.

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