Warrior FZ ® Specification: -/30/- Operable window

PERFORMANCE REQUIREMENT:

The Warrior FZ Operable Window glazing system shall be supplied and installed in accordance with AS3959 Section 9 to the sides of the building designated to require Flame Zone Construction to achieve an FRL of -/30/- in accordance with AS1530.4:2014. The Flame Zone systems shall also be installed in accordance with Bushfire Control's (manufacturer) recommendations, any construction guidelines published in the Planning for Bush Fire Protection 2018 (PBP 2018), NSW RFS guidance documents and any applicable requirements of the building specific bushfire assessment report.

Note: The Warrior FZ Operable Window glazing 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.

OPERABLE WINDOW		
Characteristic	**Internal (SGU)**	**External (DGU)**
Glass thickness (nominal)	6mm	24mm
Sound Reduction (Rw glass only, EN140-3)	32 (-2, -2) dB	33 (-2, -2) dB
Light Transmission (EN140)	89%	78%
U-value (glass only, EN673)	5.7 W/m2K	1.6 W/m²K
SHGC (G value, EN410)	0.85	0.57

PRODUCT SPECIFIED

Proprietary System: Warrior FZ ® -/30/- operable awning window 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 sash, incorporating beading with concealed fixing and tested clear Class A safety Glass.

System parameters:

a) Fire Performance:
   i) Operable (-/30/-)
      i. Internal application; -/30/-, Glass Pyroswiss
      ii. External application; -/60/-, Glass Pyroswiss DGU
b) Maximum sizes:
   i) Operable (-/30/-)
      i. Single window – 850w x 1070h and 1100w x 860h per test report.
c) Dimensions frame profile:
   i) Overall profile
      i. Internal application – 50mm deep x 130mm wide
      ii. External application – 50mm deep x 130mm wide
d) Framing types:
   i) Galvanised
e) Supporting construction type:
   i) Masonry
   ii) Concrete
   iii) Fire rated plasterboard with steel or timber stud
f) System weight:
   i) Operable glazing
      i. Internal; Nominally 15kg/m^2

ii. External; Nominally 31 kg/m^2

g) Powder-coating: Standard range '*Dulux Duralloy*' Colours. Other colour ranges available on request.

Ancillary items required:

h) Maintenance: All Visioneering systems shall be maintained by competent technicians in accordance with AS1851 and the manufacturers recommendations
i) Safety decals: These can be installed external on the glazing in accordance with EN testing or can be factory etched internally into the glass assembly.
j) Tinting and visibility control: Glass should include translucent privacy film or tinted DGU.

APPLICATIONS

- AS3959 – Section 9 – Bushfire Attack level – Flame Zone (BAL-FZ)

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 Warrior FZ Operable glazing systems shall be installed, certified, commissioned and tagged in accordance with AS3959:2018 Section 9 and Bushfire Control (manufacturer) instructions by an ISO9001 Quality, ISO18001 WHS and ISO14001 Environment Accredited manufacturer.

Operable Window

The window shall be installed into a fire rated wall structure of a type listed in System Parameters Clause e) of this document. The FRL of the wall shall be at least -/30/30 when tested in accordance with AS3959 Section 9 Clause 4 and AS1530.4:2014. Appropriate expansion gaps shall be included between the glazed partition and the wall structure and approved fire rated mastic and/or silicone shall be applied to this gap.

COMMISSIONING

Operable Window

Once installed it shall be demonstrated that the glazing system includes the appropriate markings in the bottom of each glazed panel indicating glass model and toughening standard. Automatic closing should be demonstrated through release of window at maximum opening angle and unit should be observed to self-latch on release.

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

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