Warrior Doors® -/30/- Specification

BAL:FZ | Safety Glass | Single & Double Leaf | Sidelights & Toplights

Performance Requirement

The Warrior Doors® -/30/- Fire Resistant Safety Glass systems shall be supplied and installed in accordance with AS3959 Section 9 to the sides of the building designated in 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), NSWRFS guidance documents and any applicable requirements of the building specific bushfire assessment report.

Note: The Warrior Doors® -/30/- Fire Resistant Safety Glass systems are 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.

Product Specified

Proprietary system: Warrior Doors® -/30/- Fire Resistant Safety Glass System by Bushfire Control T: 1800 218 258; info@bushfirecontrol.com.au

The system consists of a propriety cold formed and seam welded steel profile, incorporating beading with concealed fixing and clear Class A Safety Glass

System Parameters

1) Glass specification:

Characteristic	Internal (SGU)	External (DGU)
Product Name	Pyroswiss	Pyroswiss Climaplus
Thickness (nominal)	6 mm	24 mm
Weight	15 kg/m^2	31 kg/m^2
Sound Reduction Rw (EN140-3)	32 (-2, -2) dB	33 dB*
Light Transmission (EN410)	89%	73%
U-value (EN673)	5.7 W/m^{2}K	1.1 W/m^{2}K
SHGC (g Value) (EN410)	0.85	0.58

* Reference Value

2) Fire performance (AS1530.4:2014) – -/30/- (or E30)
3) Air leakage performance – N/A
4) Maximum opening sizes:
    a) Single-leaf – 1815mm(W) x 2950mm(H) (max. 4.50m^2(A))
    b) Double-leaf – 3500mm(W) x 2950mm(H) (max. 8.73m^2(A))

Note: The system can be combined with sidelights and toplights from the Warrior Window® Fire Resistant Safety Glass range to achieve 3965mm(H) (unlimited width).

5) Frame profile – 70mm(W) x 50mm(D)
6) Frame material:
    a) Galvanised steel
    b) Stainless steel

7) Approved supporting construction:
    a) Masonry
    b) Concrete
    c) Fire rated plasterboard with steel or timber stud
8) Smoke Control proprietary integrated black rubber gasket
9) Powder-coating – Standard range '*Dulux Duralloy*' colours (other colour ranges available on request)

Required Ancillary Items

1) Maintenance: All Stopline systems shall be maintained by competent technicians in accordance with AS1851 and the manufacturer's recommendations.
2) 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.
3) 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 Window and Door 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.

Threshold should be of fire rated or non-combustible construction. Clearances between the bottom of the glazed door leaf and the floor shall be in accordance with AS3959 Section 9 and include Kilargo IS3080si silicone draft seal at base.

Note: The use of timber or other thresholds is not currently permitted in accordance with NSW RFS guidance documentation.

Commissioning

Commissioning testing shall be conducted to verify opening forces and the results recorded on the commissioning certificate provided in an applicable Operations and Maintenance Manual or equivalent report. The glazed fire door systems shall be then tagged with appropriate compliant tag in accordance with AS3959 Section 9

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.