

# SYSTEM OVERVIEW

## STEEL FRAMED DEFENDER FIRE WINDOW E60 [-/60/-]

### Description

Fire window incorporating the RP Technik 55N profile and Defender E safety glass.

### Applications

Used where BCA/NCC Clause C3.4 needs to be achieved for boundary protection. Residential complexes, homes, offices, hospitals, schools, car parks, shopping centers, computer rooms, offices & high rise apartments.

### How to Specify

Fire window shall be Defender Fire Window System comprising proprietary RP Technik steel 55N frame system and Defender E safety glass. The entire system must be certified as having been assessed to AS1530.4 and installed in accordance with test prototype. Installation must be carried out by an installer registered with and approved by the manufacturer, Australian Fire Control. Phone: [08] 9399 6957 Email: sales@australianfirecontrol.com.au.

### Maintenance & Care

To maintain the aesthetics, it is important to keep the panel clean. A soft, clean, non-abrasive cloth and a mild soap, detergent, or non-abrasive window cleaning solution is suitable for cleaning. After cleaning, rinse immediately with clean water and remove any excess water from the panel surface. Also, do not allow any metal or sharp components of the cleaning equipment to come in contact with the panel surface. Confirm i) that glazing beads are adequately fixed and seals have not degenerated ii) body of frame remains anchored to the wall and allows no movement iii) there is no evidence of oxidation to any metal components & iv) Inspect glass for fractures.

**Defender E** - is a pre-stressed, monolithic, borosilicate single-pane fire-rated safety glass. As a single pane safety glass meets all requirements for improved safety. In the event of breakage, it displays a typical toughened glass breakage i.e. into small fragments and meets the requirements of statutory accident insurance as well as the Health and Safety at Work Act, thus providing an added plus in terms of safety and reliability

### KEY FEATURES

- Architectural steel framing
- Crystal clear views
- Fully certified to Australian Standards
- Low maintenance
- Durable design
- Framing available in Timber & Aluminum

### GLASS INFORMATION

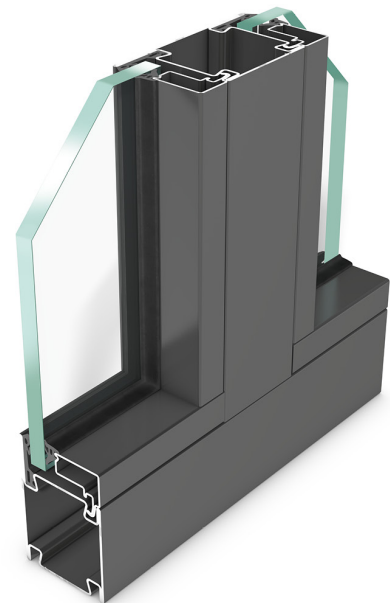
- Thickness 6 mm
- Fire resistance class E60
- Weight 13.7 kg/m<sup>2</sup>
- Light transmission 92%
- Ug value 5.8 W/m<sup>2</sup>K
- Sound insulation value 31 dB
- Impact rating 1C1 (according to EN12600)

### Maximum Single Module Size:

Glass Size: 3200 x 2100

Thicknesses: 6mm

Please note, AFC recommends you seek clarification from AS 1288 [Section 5 Human Impact]



THE RIGHT SOLUTION FOR OPENINGS WITHIN CLOSE PROXIMITY TO A BOUNDARY LINE

### Australian Fire Control Pty Ltd

Phone: [08] 9399 6957

Email: Sales@AustralianFireControl.com.au

Perth Office: 17 Williams Road Kelmscott WA 6111

Melbourne Office: Level 3, 480 Collins Street, Melbourne VIC 3000

### System Overview

STEEL FRAMED DEFENDER FIRE WINDOW E60 [-/60/-]

Document Number: E60-2020/01

