

# FIRE RATED GLAZING

## Pyrostop -/60/30 timber framed fire window

TECH SHEET: FW-07

Issue: 22-02-11

**Fire rated timber framed window, FRL -/60/30 using Pilkington Pyrostop™ clear glass for internal and external**

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### DESCRIPTION

Timber framed fire rated window providing one hour of integrity and 30 minutes of insulation protection with perfectly clear Pilkington Pyrostop™ insulating glass, with an FRL of -/60/30. Suitable for internal and external applications.

### APPLICATIONS

Domestic houses, fire escapes, smoke lobbies, computer rooms, car parks and factories, boundary walls, or wherever there is a need for integrity and insulation protection, and the need to protect the building and occupants against the spread of fire due to radiant heat transmission.

### FEATURES

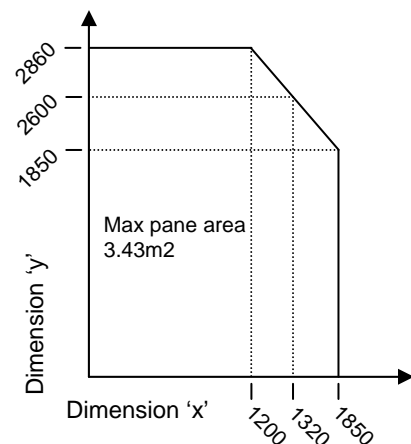
- Fully certified to Australian Standards AS1530.4
- -/60/30 FRL using 18mm Pilkington Pyrostop™ glass
- Pyropanel® special fire rated timber framing system with proprietary fire rated gaskets and sealants
- Reduces radiant heat transmission by up to 98%
- Internal and external applications
- Light transmission comparable to 5mm float glass
- Class A impact rated to AS2208
- For use in 1hr plasterboard walls and fire rated masonry walls.
- Single and multiple pane configurations
- Max pane size up to 3.3m<sup>2</sup> visible area (3.4m<sup>2</sup> pane size), with pane size up to 2860 x 1200 (see table).
- Multi pane configurations up to 4m high, no limitations on multi-pane span
- Can be installed as a side-lite or top-lite for 1hr fire rated doors in timber frames, including 1/2 lite and full lite timber-glass fire doors (*See Pyropanel glass fire doors, or contact Pyropanel for more information*)
- Frames can be painted, stained, or lacquered

### OPTIONAL EXTRAS

- Tinted and opaque films
- Custom frame profiles available on request

### MAXIMUM PANE SIZES

Maximum pane dimension 'y' (actual glass pane size) (mm)	Maximum pane dimension 'x' (actual glass pane size) (mm)	Maximum Pane area	Max visible size	Approx max overall pane size including frame
2860	1200	3.43m <sup>2</sup>	2826 x 1166 (3.3m <sup>2</sup> )	2956 x 1296
2600	1320	3.43m <sup>2</sup>	2566 x 1286 (3.3m <sup>2</sup> )	2696 x 1416
1850	1850	3.43m <sup>2</sup>	1816 x 1816 (3.3m <sup>2</sup> )	1946 x 1946



### Maximum pane dimensions

**Note:** Dimensions 'x' and 'y' can be either horizontal or vertical (portrait or landscape). Any size is approved within the area under the graph, provided that the maximum sizes are not exceeded as per this graph, and provided that the maximum glass pane size is not greater than 3.43m<sup>2</sup> (3.3m<sup>2</sup> visible).

### MODELS AVAILABLE

Model	FRL	Glass Thickness	Frame type	Max visible area
PFWT-PS60/30	-/60/30	18mm	Pyropanel® fire rated timber	3.3m <sup>2</sup>

### HOW TO SPECIFY

*Eg, "Window to be fully test and certified Pyropanel Timber Fire Window **PFWT-PS60/30**, -/60/30 FRL, incorporating Pyropanel fire rated timber window framing system and 18mm Pilkington Pyrostop™ clear intumescent glass. System available from Pyropanel Developments"....*

**Continued...**



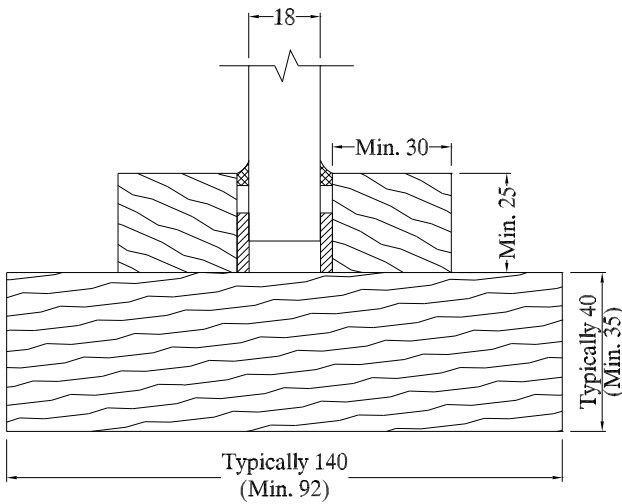
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 Email: sales@pyropanel.com.au  
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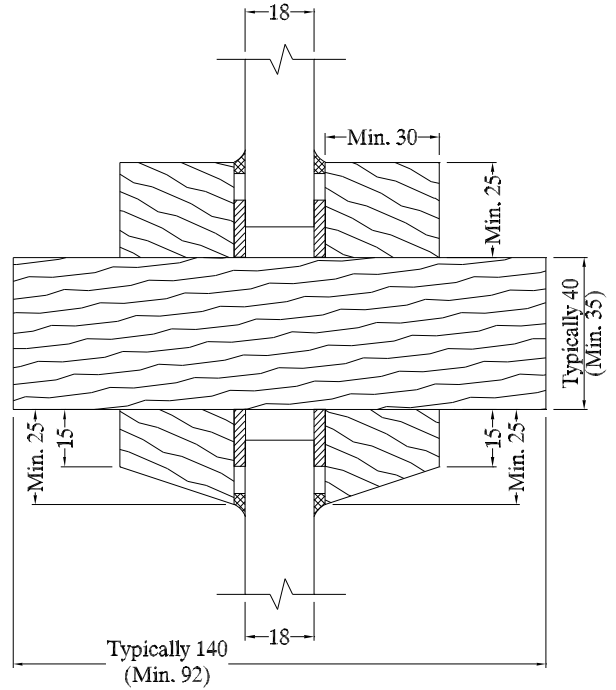
**GLASS DATA**

Product	Nominal Thickness (mm)	Application	Integrity (mins)	Insulation (mins)	Sound Reduction	Light transmission %	Approx weight of glass (kg/m <sup>2</sup> )	Approx weight of glass and frame (kg/m <sup>2</sup> )
Pyrostop™	18	Internal / External	60	30	38	85	42	55

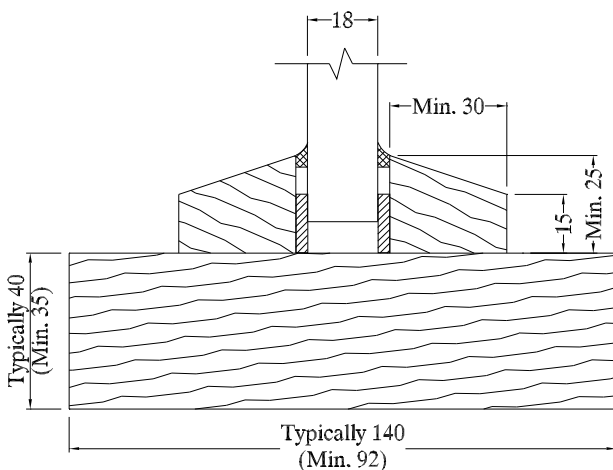
**TYPICAL SECTIONS**



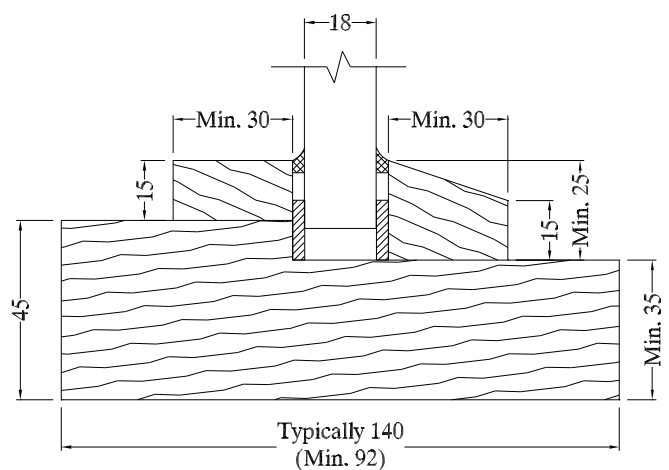
**Typical section with standard square edge beading**



**Typical Mullion / transom section showing standard square edge beading or angled beading (optional)**



**Typical section with optional angled beading**



**Typical section with optional rebate for external applications**



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