DESCRIPTION
Insulated steel framed fire rated window providing 120 minutes Integrity and 120 minutes of Insulation protection with perfectly clear Pilkington Pyrostop™ insulating glass. This system is a great solution for applications requiring certified fire resistance for both Integrity and Insulation and the added safety benefit of radiation protection.

APPLICATIONS
Fire escapes, smoke lobbies, computer rooms, car parks and factories, boundary walls, or wherever there is a need for Integrity and Insulation fire protection, with 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
- -/120/120 FRL using 52mm Pilkington Pyrostop™ for internal applications, and 56mm for external applications
- Reduces radiant heat transmission by over 98%
- Internal and External applications
- Very high light transmission value
- Forster® insulated framing system
- Class A impact rated to AS2208
- Single or Multiple panes up to 2400mm(h) x 1415mm(w) or 1415mm (h) x 2400mm (w), [2516mm (h) x 1531mm (w) or 1531mm (h) x 2516mm (w) overall frame size] (recommended max size: 1.5m² due to weight of system - Larger sizes are available upon request, however highly specialised lifting and glazing equipment will be required)
- Arched windows
- Standard finish is Prime Painted, ready for undercoating and top coat

OPTIONAL EXTRAS
- Powdercoating

MODELS AVAILABLE

<table>
<thead>
<tr>
<th>Model</th>
<th>FRL</th>
<th>Glass Thickness</th>
<th>Max Pane Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFWS-PS120/120</td>
<td>-/120/120</td>
<td>52 or 56mm</td>
<td>2400(h) x 1415mm(w) or 1415(h) x 2400mm(h)</td>
</tr>
</tbody>
</table>

HOW TO SPECIFY
Eg, "Window to be Pyropanel Fire Window PFWS-PS120/120, -/120/120 FRL, incorporating Forster® insulated steel frame and 52/56mm* Pilkington Pyrostop™ clear intumescent glass, with rubber beading / silicone weather seal*. System available from Pyropanel Developments”.

* denotes example - delete, change or specify as required
### GLASS DATA

<table>
<thead>
<tr>
<th>Product</th>
<th>Nominal Thickness (mm)</th>
<th>Application</th>
<th>Integrity (mins)</th>
<th>Insulation (mins)</th>
<th>Sound Reduction** (db)</th>
<th>Light transmission %</th>
<th>U-Value (W/m²k)</th>
<th>Approx weight of glass (kg/m²)</th>
<th>Approx weight of glass and frame (kg/m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrostop®™ 52 IGU (23+6+23)</td>
<td>Internal</td>
<td>120</td>
<td>120</td>
<td>42</td>
<td>78</td>
<td>2.8</td>
<td>106</td>
<td>130</td>
<td></td>
</tr>
<tr>
<td>Pyrostop®™ 56 IGU (27+6+23)</td>
<td>Internal / External</td>
<td>120</td>
<td>120</td>
<td>47</td>
<td>77</td>
<td>2.8</td>
<td>125</td>
<td>150</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The Tech Sheet is an uncontrolled document. If printed, please refer to the Tech-Sheet on the website to check if this document is valid.

### SYSTEM DETAILS

**Standard system**
- Offset glazing
- Silicone weather sealing for internal or external applications (wet glazing), or optional rubber weather stripping for internal applications only (dry glazing)

**Optional glazing system**
- Centre glazing
- Silicone sealing for internal applications only (wet glazing), or optional rubber weather stripping for internal applications only (dry glazing)
- Frame profile may require extended lead times

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Pyropanel Developments has a policy of continuous improvement and reserves the right to change methods and specifications without notice.

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BUILDING IN AND FIXING

**Fixing type FTFC01**
M6 Flat head Dynabolt into masonry wall through steel frame, at max 600mm centers. Can only be used for site-glazed applications. Fixings to 3 sides minimum (4 recommended).

**Fixing type FTFC02**
M6 Dynabolt into masonry wall through 75 x 75 x 3mm welded steel angle sections at max 600mm centers. Can be used for factory-glazed or site-glazed applications. Fixings to 3 sides minimum (4 recommended).

**Fixing type FTFC03**
M6 Dynabolt into masonry wall through 150 x 50 x 2.5mm welded steel plate at max 600mm centers. Can be used for factory-glazed or site-glazed applications. Fixings to 3 sides minimum (4 recommended).