

Glass Product Datasheet - WSL F34

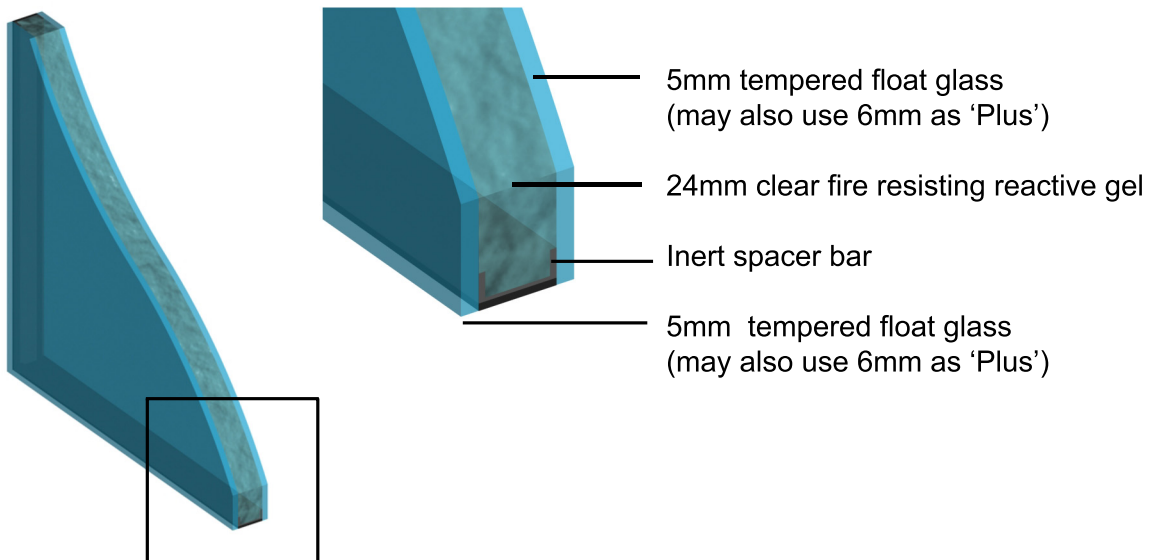
WSL F-glass is range of fire resistant insulating glasses, for both integrity & insulation as defined under BS476 Part 22 and EN1364. These glasses compliment our high performance framing systems and allow us to provide a complete & guaranteed glazing solution.

In the event of a fire each makeup of F-glass provides a barrier against the passage of flame and radiant heat through the glass. This safety specification is commonly used to protect building evacuation routes, the vulnerable areas of adjacent buildings, or where the prevention of fire spread caused by radiant heat is of prime importance.

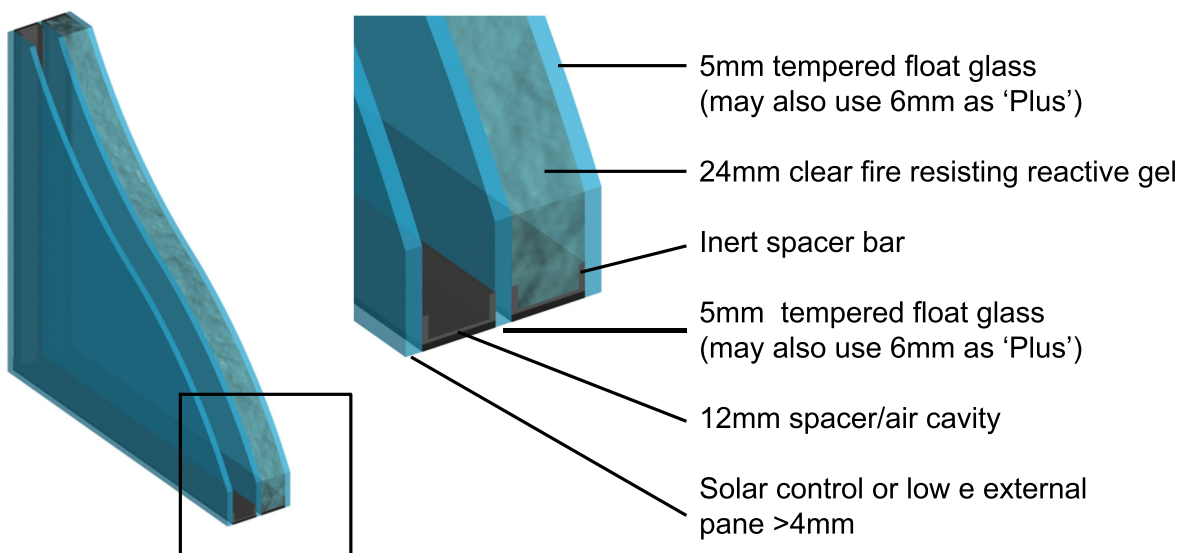
The protection is achieved through the unique makeup of the glass unit, utilising a central layer of clear UV stable heat reactive gel, contained by two layers of clear toughened glass.

- Competively priced
- Comprehensive test data
- Multiple framing options
- High optical quality
- High light transmission
- Suitable for pressure plate glazing
- UV Stable interlayer
- Unlimited options for external pane
- Class A impact safety
- Large sizes

WSL F34-makeup (colours shown for clarity)



WSL F32-ISO makeup (colours shown for clarity)



Glass Product Datasheet - WSL F34

| | WSL F34 | WSL F34 Plus | WSL F34 - ISO | WSL F34 Plus - ISO |
|------------------------------|------------------------|------------------------|------------------------|------------------------|
| Overall thickness | 34mm | 36mm | >50mm | >52mm |
| Fire rating | 90/90 | 90/90 | 90/90 | 90/90 |
| Unit makeup | 5 / 24 / 5 | 6 / 24 / 6 | 5 / 24 / 5 / 12 / >4 | 6 / 24 / 6 / 12 / >4 |
| Approx weight | 53 kg/m ² | 58 kg/m ² | >63 kg/m ² | >68 kg/m ² |
| DB reduction | 46 DB | 46 DB | 46 DB | 46 DB |
| Light Transmission | 86% | 86% | 73% | 73% |
| UV Stable | Yes - EN12543 | Yes - EN12543 | Yes - EN12543 | Yes - EN12543 |
| Options for external pane | n/a | n/a | 4mm minimum | 4mm minimum |
| U-Value | 5.6 w/m ² K | 5.6 w/m ² K | 1.4 w/m ² K | 1.4 w/m ² K |
| Class A safety | BS6206 - EN12600 | BS6206 - EN12600 | BS6206 - EN12600 | BS6206 - EN12600 |
| Stable temperature range | -20DegC / +50DegC | -20DegC / +50DegC | -20DegC / +50DegC | -20DegC / +50DegC |
| Minimum production size | 100mmW x 300mmH | 100mmW x 300mmH | 100mmW x 300mmH | 100mmW x 300mmH |
| Quality ratio for toughening | 1:10 | 1:10 | 1:10 | 1:10 |

WSL F34 permissible dimensions

| Type: | Pane Orientation: | Maximum Pane Height | Maximum Pane Width | Maximum Pane Area |
|------------------------|-------------------|---------------------|--------------------|--------------------|
| WSL F34 (inc ISO) | Portrait | 2600mm | 1500mm | 3.90m ² |
| WSL F34 (inc ISO) | Landscape | - | 1500mm | 3.90m ² |
| WSL F34 plus (inc ISO) | Portrait | 3570mm | 1755mm | 5.18m ² |
| WSL F34 plus (inc ISO) | Landscape | 1835mm | 2400mm | 4.40m ² |

Directions:

Plot your required glass size on the chart below. Current test data allows for any pane size within the red & blue areas.

If the pane size falls completely within the blue area then either WSL F34 or WSL F34 Plus may be used.

If the pane size falls partly within the red area then only the WSL F34 Plus can be used. This requirement is due to maintaining optical quality only and not fire test limitations.

Blue area = WSL F34 max dimensions

Red area = WSL F34 Plus max dimensions

