

AUTOMATIC CLOSING FIRE WINDOWS



Fully BCA compliant solution for boundaries

KEY FEATURES

- Openable fire window
- Automatic closing using fusible link device.
- Robust steel framing
- Large opening sizes
- One hour fire rating (FRL: -/60/-)

The design problem

The Building Code of Australia requires fire protection of external walls when the walls are close to adjoining property boundaries. Any window openings in the external fire rated walls are required to be one hour (FRL: -/60/-) fire rated windows. These fire windows have to either be permanently fixed in the closed position (non-operable or fixed panes of glass) or specially designed automatic closing windows if operable windows are preferred.

The solution

Smoke Control has a fully approved automatic closing fire window which incorporates a fusible link which in fire conditions will operate and initiate automatic closure of the windows if they are open at the time of the fire.

These automatic fire windows comply in full with the requirements of the Building Code of Australia and have been incorporated in many projects across Australia.

Product description

A top hung opening window that closes automatically in the event of a fire without connection to the fire alarm system. The window utilizes a small and unobtrusive fusible link in combination with a satin chrome finished standard peg stay. The fusible link operates at 60 degrees Celsius.

Sizes

Maximum height: 2300mm
Maximum width: 1400mm

BCA requirements

C3.2 Protection of opening in external walls

Openings in an external wall that is required to have an FRL must be protected in accordance with C3.4.

C3.4 Acceptable methods of protection

Windows: -/60/- fire windows (automatic or permanently fixed in the closed position)

Frame options

Steel frames using either the Hope Suite or the Jansen Suite depending on budget and aesthetic requirements.

Glass types

A number of alternatives are available to suit fire rating budget and aesthetic requirements.

Finishes

Stainless steel, powder coated steel or painted steel options available.

Fire ratings

FRL -/60/- (one hour fire rating) as required for deemed to satisfy requirements of the Building Code of Australia in most fire rated wall constructions.

Both fully insulated (FRL -/60/60) and low radiation (EW60) options are also available for fire safety engineered solutions where more than 1/3 of the external wall is glazed.

Other systems

Smoke Control can offer a full range of fire resistant glazing solutions including both fire resistant steel and/or timber framed glazed screens & doors.

FIRE WINDOWS