SMOKE CONTROL

The handbook of deemed- to- satisfy and alternative solutions for protecting openings close to boundaries

Boundary Control™

Boundary Control™

Protecting windows close to boundaries; National Construction Code Compliance

Boundary Control™ Systems

Smoke Control is not responsible if recipients of test reports, assessments or literature misinterpret the contents and wrongly use products based on those misinterpretations. No liability is accepted for error omissions in this document. SmokeControl reserves the right to change specification(s) without notice.

Feel free to call our technical departmant to ask any questions you may have. **1300 665 471**

Boundary Control Version 2.4

e products based on those misinterpretations. No liability is accepted for error omissions in this document. SmokeControl reserves the right to change specification(s) without notice.

National Construction Code Compliance (Class 2-9 Buildings)

Clause C3.4 of Volume 1 of the National Construction Code (NCC) requires fire protection of openings in external walls when the walls are in close proximity to adjoining property boundaries. Any window openings or other openings in the external fire rated walls are required to be protected by one of several methods as follows;

NCC C3.4 Acceptable methods of protection.

(a) Where protection is required, doorways, windows and other openings must be protected as follows:

(ii) Windows —

(A) internal or external wall-wetting sprinklers as appropriate used with *windows* that are *automatic* closing or permanently fixed in the closed position; or

(B) –/60/– fire *windows* that are automatic closing or permanently fixed in the closed position; or

(C) –/60/– *automatic* closing fire shutters.

(iii) Other openings —

(A) excluding voids - internal or external wall-wetting sprinklers, as appropriate; or

(B) construction having an FRL not less than –/60/–.

(b)Fire *windows* and fire shutters must comply with Specification C3.4

Alternatively, a radiation attenuation screen can be used provided a Fire Engineer can demonstrate that it meets the Performance Requirements of CV1 and CV2 in the BCA. When considering using mesh, you should consider the total cost of the product, its installation and the cost of the fire engineers report.

Smoke Control provides a range of deemed-to-satisfy solutions that comply with the NCC for this application. These systems are designed to suit varying architectural and budgetary needs and include;

- Autofire -/60/- Automatic Closing Fire Windows
- Stopline -/60/- Fixed Fire Windows
- Windowshield Slimline Automatic Closing Fire Shutters
- Metashield Automatic Closing Metal Fire Shutters
- Flame Guard M Radiation attenuation screens (Mesh)*
- Fire Rated Glazed Doors
- Fire Rated Skylights
- Fire Rated Glass Bricks/ Blocks

(**Attention:** *Mesh systems cannot achieve a fire rating as required by Clause C3.4 and therefore may only be used as part of a Fire Engineers Solution. Please contact us for details.)

These solutions can be tailored to meet the objectives of architects, designers, fire safety engineers, consultants, developers and builders.

National Construction Code Compliance (Class 1 and 10 Buildings)

Clause 3.7.1.5 of Volume 2 Housing Provisions of the National Construction Code (NCC) requires fire protection of openings in external walls when the walls are in close proximity to adjoining property boundaries. Any window openings in the external fire rated walls are required to be protected by one of several methods as follows;

NCC 3.7.1.5 Construction of external walls

(b) Openings in *external walls* required to be *fire-resisting* (referred to in 3.7.1.3 or 3.7.1.6) must be protected by-

(i) non-openable fire *windows* or other construction with an FRL of not less than -/60/-; or

(ii) self-closing solid core doors not less than 35mm thick.

(d) Concessions for *non-habitable room windows*.

Despite the requirements in (b), in a non-*habitable room*, a *window* that faces the boundary of an adjoining allotment may not be less than 600mm from that boundary or, where the *window* faces another building on the same allotment, not less than 1200mm from that building providied that-

(i) in a bathroom, laundry or toilet, the opening has an area of not more than 1.2m2 (this is a winodow approximately 1100 x 1100mm for example); or

(ii) in a room other than referred to in (i), the opening has an area of not more than 0.54m2 (this is a window approximately 800mm x 600mm for example) and-

(A) the *window* is steel-framed, there are no opening sashes and it is glazed in wired glass; or

(B) the opening is enclosed with translucent hollow glass blocks.

Smoke Control provides a range of deemed-to-satisfy solutions that comply with the NCC for this application These systems are designed to suit varying architectural and budgetary needs and include;

- Stopline -/60/- Fixed Fire Windows
- Autofire -/60/- Automatic Closing Fire Windows*
- Windowshield Slimline Automatic Closing Fire Shutters*
- Metashield Automatic Closing Metal Fire Shutters*
- Flame Guard M Radiation attenuation screens (Mesh)*
- Fire Rated Glazed Doors
- Fire Rated Skylights
- Fire Rated Glass Bricks/ Blocks

(**Attention:** Systems above marked with * can only be used may only be used as part of a Fire Engineers Solution for Class 1 & 10 buildings. Please contact us for details.)

These solutions can be tailored to meet the objectives of architects or designers, fire safety engineers or consultants and developers of builders.

National Construction Code Compliance; Energy Efficiency

Section J of Volume 1 of the National Construction Code (NCC) specifies the reqiurements for energy efficient buildings. WERS or Window Energy Rating Scheme, enables windows to be rated for their annual energy impact on a whole house, in any climate of Australia. The WERS website is a great resource to determine your climatic region and what window specifiactions you will require for an energy efficient home. There are also case studies which indicate savings and long term benefits.

Specifiers, builders and architects can calculate the buildings energy rating by using the BCA calculator found at http://www.abcb.gov.au/major-initiatives/energy-efficiency/glazing-calculator. You can then determine which type of glazing solution is best for the given scenario using the glazing data on the next page. Total system U-value can be calculated by multiplying the glazing values on the next page by 1.2. This accounts for our steel framing profiles and beading and will provide an estimate of the overall U-value. For a more accurate calculation please contact our offices with the sizes of your windows and we can provide you with the correct values. SHGC remains unchanged.

"The ABCB has developed a suite of glazing calculators to assist BCA users with the calculations required by the energy efficiency Deemed-to-Satisfy Provisions. Once users have entered the necessary data into the spreadsheet, which operates in Microsoft Excel, all table references and calculations are carried out automatically." - ABCB website

National Construction Code Compliance; Other requirements

There are several other NCC requirements including the use of safety glass, wind pressure, labelling, water penetration and air inflitration, acoustics, light transmission and others. Smoke Control can meet and exceed the minimum NCC requirements for these performance tests. Please contact us to discuss your desired system solution.

The benefits of our glass

Smoke Control's glass is supplied standard as a toughened clear safety glass enabling it to be used in floor to ceiling windows and doors without the extra costs of laminting. We can also supply our glass frosted, tinted, coloured and printed. The glass can be formed into archs, polygons, triangles, circles and semi-circles before it is treated.

Project case studies

Case studies are available for a myriad of projects for each of our systems including; Retirement villages, Hospitals, Dental clinics, Apartments, Universities, Schools, Clubs and pubs, Medical centres, town houses, duplexs and more

Maintenance

Just like a car, painted sufaces need to be looked after. Painted surfaces are in fact protective coatings. While our standard frames are made from steel protected by galvanising to both the internal and external faces, damage to the protective coating will eventually allow corrosion. Therefore, regular inspection and maintenance in accordance with our warranty conditions is required for these systems, particularly when installed in onerous environments such as sea side locations. Smoke Control offers stainless steel window frames for projects located within 5 kilometres of the coast or other onerous environments. It is up to the customer to determine which framing material they desire for their project.

Standard Integrity only -/60/-

Description of glass	Type	Weight (kg/m2)	Light Factor (%)		Solar Energy (%)		SHGC	U-Value (W/M² K)
			Transmittance	Reflectance(out)	Transmittance	Reflectance		
8mm clear fire resistant glass	SGU	15	89	8	81	7	0.84	5.91

Standard Integrity only DGU -/60/-

Description of glass	Type	Weight (KG/SQM)	Light Factor (%)		Solar Energy (%)		SHGC	U-Value (W/M² K)
			Transmittance	Reflectance (out)	Transmittance	Reflectance		
8mm clear fire resistant glass + 9mm air (silver space) + 6mm clear tempered heat soaked glass	DGU	30	81	15	71	13	0.76	2.83

Premium high clarity Integrity only -/60/-

Description of glass	Type	Weight (kg/m2)	Light Factor (%)		Solar Energy (%)		SHGC	U-Value (W/M² K)
			Transmittance	Reflectance(out)	Transmittance	Reflectance		
6mm clear fire resistant glass	SGU	14	92	8	81	7	0.9	5.8

Premium high clarity Integrity only DGU -/60/-

Description of glass	Type	Weight (KG/SQM)	Light Factor (%)		Solar Energy (%)		SHGC	U-Value (W/M² K)
			Transmittance	Reflectance (out)	Transmittance	Reflectance		
6mm clear fire resistant glass + 14mm air (silver space) + 6mm clear tempered heat soaked glass	DGU	30	83	15	71	13	0.78	2.7

Premium Insulated DGU -/60/30

Description of glass	Type	Weight (KG/SQM)	Light Factor (%)		Solar Energy (%)		SHGC	U-Value (W/M² K)
			Transmittance	Reflectance (out)	Transmittance	Reflectance		
16mm clear fire resistant glass + 14mm argon (silver space) + 6mm clear tempered low e glass	DGU	49	75	12	45	13	0.55	1.1

Find Us

www.smokecontrol.com.au

Australian Head Office
Phone: 1300 665 471
Email: info@smokecontrol.com.au
Address:26 Ferndell St, South Granville NSW 2142

Western Australian Office (Australian Fire Control)
Phone: (08) 9399 6957
Email: mike.r@ausfirecon.com.au
Address: Unit 2 71-73 Brant Road Kelmscott 6111

South Australia (Element Control Systems)
Phone: (08) 8343 0011
Email: harry@ecsystems.com.au
Address: 34 Wingfield Rd Wingfield 5013

Building safety systems can often conflict with architectural objectives, however Smoke Control prides itself in proving aesthetically pleasing results to meet the goals of Architects, Engineers, Certifers and Builders alike.
All systems are backed by stringent testing above and beyond the Building Code.
Smoke Control provides a complete lifecycle service; design, supply, install and maintain.
For further details call T: 1300 665 471 or visit www.smokecontrol.com.au

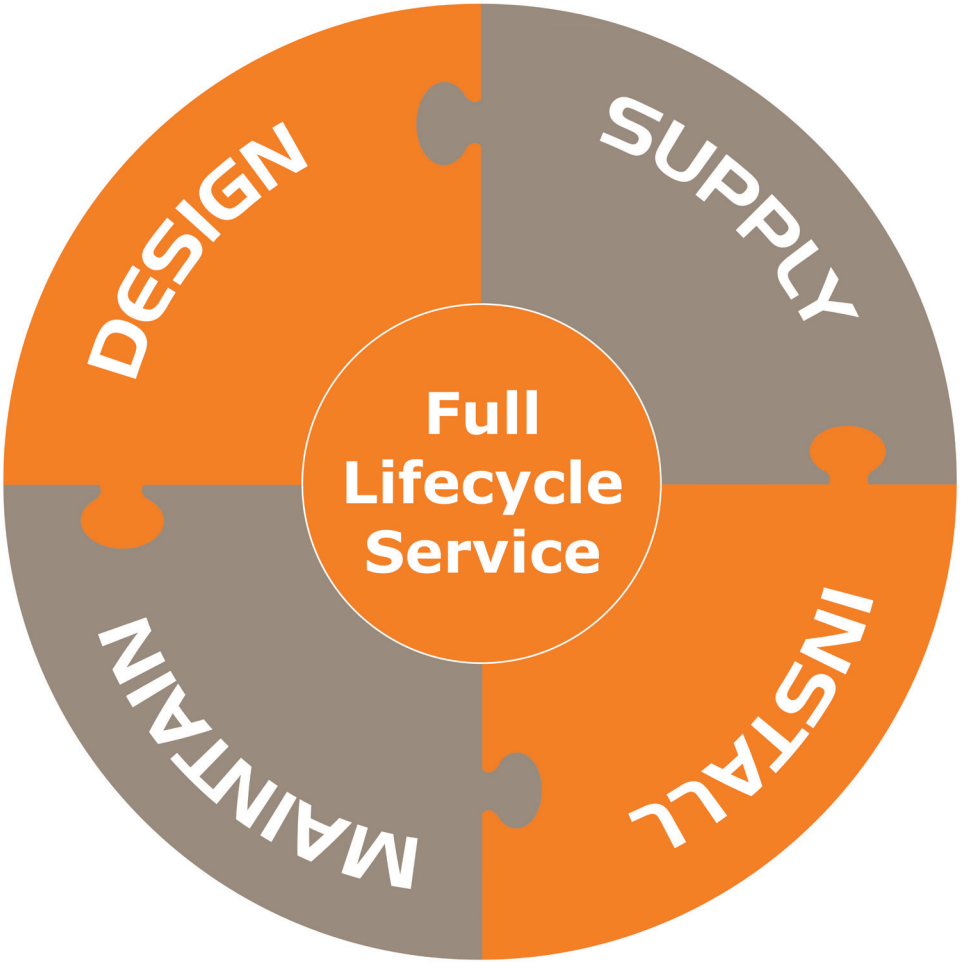
FULL LIFECYCLE SERVICE

Design: Smoke Control is a leader in the fire and smoke protection sector when it comes to providing design assistance and product support. This support is backed by our fully qualified fire engineers, mechanical and mechatronic engineers in addition to trained and experienced personnel.

Supply: Smoke Control's reputation for delivering high quality solutions can be attributed to our superior suppliers. Our audit process emphasises partnering only with firms with strong global reputations and infrastructure that complements our expertise.

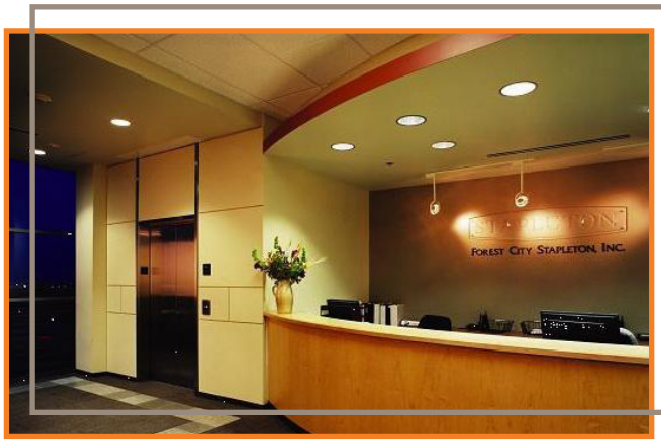
Install: Quality products are pointless unless they are also installed to a high standard. Smoke Control has a fully trained and approved installation network that allows us to deliver and commission completely intergrated and reliable systems.

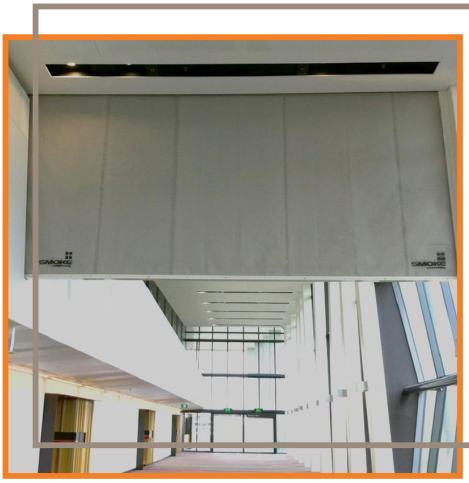
Maintain: Due to the importance of the continual functionality of our life safety systems, Smoke Control stocks a complete range of spare parts, offering prompt maintenence response.



SMOKE CONTAINMENT SCREENS

- Eliminate smoke lobbies and pressurization systems.
- Generate income by increasing net lettable/saleable space.
- Invisible in non- fire mode.
- Ideal for basement car parks and mixed use buildings.





FIRE AND SMOKE CURTAINS

- Open up building spaces
- Invisible in non- fire mode.
- Complete range of products offering various performances and functionality.
- Fire and/or smoke compartmentation in single modules up to 50m wide.

VISIONEERING®

- Widest range of system approvals .
- Available with steel, timber, aluminium framed and frameless systems.
- Up to 2 hour fire ratings.
- Virtually any decorative option available.
- Supported by acoustic, energy, light, transmission and other tech data.

SMOKE AND HEAT VENTS

- Guaranteed not to leak up to 600 Pa.
- Energy efficient: provide natural ventilation, lighting and/or smoke ventilation.
- Suitable for both commercial and industrial applications.
- Design and construct available.

NATURAL VENTILATION

- Complete operable window systems.
- Suitable for vertical and horizontal applications.
- Concealed actuators
- Widest range available.
- Design and construct available.

SPECIALITY SOLUTIONS

- Custom designed solutions to meet project specific requirements.
- Including specialty actuators, doors, hatches and curtains.
- We design, supply, install and maintain all of these specialty products.

Boundary Control™

Stopline Fire Rated Glass Doors

Stopline Fire Rated Glass Doors can be operated on a day-to-day basis. In the event of a fire the door closer which is wired to the alarm system will shut and seal the door. Door Hardware can be supplied in various standard finishes, other finishes are available on request. If our standard hardware isn't to your liking we can design a system which meets your requirements and our standards. Stopline glazed doors are able to acheive an FRL of -/60/30 in compliance with BCA Clause C3.4.

Advantages:

- Fire ratings up to 1 hour integrity and insulation
- Slimline framing 50 x 70 mm
- Available in powder coated finish
- Incorporates maximum transparency, grade A safety glass
- Double glazed units available
- Internal and external galvanised frame for maximum corrosion protection

System Sizes

Maximum wall opening height: 2400mm, Maximum wall opening width: 2400mm

Larger sizes are available, please contact us for details.

Hardware and Design

The system can be supplied with 6 to 36 mm thick fire resistant glass in either single glazing or double glazing. Our glass provides maximum transparency, allowing it to integrate perfectly alongside non-fire glass. Double glazed units are ideal for solar control, enhanced thermal insulation and acoustic rating. Insulated glass doors are required to be double glazed if installed externally or close to high temperature areas so as to prevent activation of the fire resistant layers of the specialty glass.

The galvanised steel framing system is coated both internally and externally to ensure long lasting corrosion protection. The standard frame profile is a slimline 50mm x 70 mm section and incorporates a weather seal gasket for maximum performance. This system integrates with our Stopline Fixed Fire Window system as shown above.

How to Specify

The door system shall be Smoke Control's (1300 665 471) proprietary Stopline fire rated glazed doors tested for up to FRL -/60/30 in accordance with AS1530.4, incorporating black glazing gasket and clear fire resistant safety glass. The system shall be designed and installed to comply with human impact requirements and manifestation (AS1288), and BCA Clauses C3.4 / C3.5.

For More Information

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Autofire Automatic Closing Fire Windows

Autofire Automatic Closing Fire Windows can be operated on a day-to-day basis as a normal awning type window. In the event of a fire a fusible link releases at 72 ^{o}C allowing the window to close and latch.

During normal use the window is held open with a stay. These windows comply in full with the requirements of the Building Code of Australia and have been incorporated in many projects across Australia.

Advantages:

- Fire ratings up to 1 hour
- Openable for fresh air
- Slimline framing 50 x 50 mm incorporates weather seal gasket
- Available in powder coated finish
- Incorporates maximum transparency, grade A safety glass
- Double glazed units available
- Internal and external galvanised frame for maximum corrosion protection
- Can be incorporated into fixed pane systems
- For larger openings, refer following pages

System Sizes

Maximum openable window square meterage: 1.44 m^2, Maximum openable window width: 1100mm

Larger sizes can be accommodated by incorporating multiple openable windows and/or fixed lights and mullions.

Hardware and Design

The casement stay and latch are supplied standard in Satin Chrome. Other finishes are available on request. The windows are top hinged to allow for automatic closing and do not need to be connected to the alarm system.

The system can be supplied with 6 to 23 mm thick fire resistant glass in either single glazing or double glazing. Our glass provides maximum transparency, allowing it to integrate perfectly alongside non-fire glass. Double glazed units are ideal for solar control, enhanced thermal insulation and acoustic rating. The galvanised steel framing system is coated both internally and externally to ensure long lasting corrosion protection. The standard frame profile is a slimline 50mm x 50 mm section and incorporates a weather seal gasket for maximum performance.

How to Specify

The glazing system shall be Smoke Control's (1300 665 471) proprietary Autofire automatic closing fire windows, fire tested for up to FRL -/60/- in accordance with AS1530.4. The windows are to incorporate a black glazing gasket and clear fire resistant safety glass with the hardware nominated in the hardware schedule. The system shall be designed and installed to comply with human impact requirements and BCA clauses C3.4 and D2.24 Protection of openable windows.

For More Information and CAD Drawings

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Stopline Fixed Fire Windows

Stopline Fixed Fire Windows can span large openings to provide minimal disruption to views. They are a cost effective solution for projects large and small. Stopline fixed fire windows come in array of shapes and sizes to meet virtaully any requirement. Stopline Fixed Fire Windows comply in full with the requirements of the Building Code of Australia Clause C3.4 and have been incorporated in many projects across Australia.

Advantages:

- Fire ratings up to 2 hours
- Slimline framing 50 x 40 mm
- Available in powder coated finish
- Incorporates maximum transparency, grade A safety glass
- Double glazed units available
- May be powder coated to any standard powder coat colour

System Sizes

Maximum total pane size is 2.4 m2 and; maximum pane height: 2000mm, maximum pane width: 1200mm

Note: Unlimited system widths can be achieved provided the maximum individual pane sizes are not exceeded.

Hardware and Design

The system can be supplied with 6 to 23 mm thick fire resistant glass in either single glazing or double glazing. Our glass provides maximum transparency, allowing it to integrate perfectly alongside non-fire glass. Double glazed units are ideal for for solar control, enhanced thermal insulation and acoustic rating.

The galvanised steel framing system is coated both internally and externally to ensure long lasting corrosion protection. The profiles are available in a range of sizes and can incorporate the Autofire openable fire windows (refer previous pages). The standard frame profile is a slimline 50mm x 40 mm section—the most slimline system available on the market. When incorporating doors or openable windows a larger frame profile is required for compatibility. Stainless steel frames can be supplied for onerous environments. It is the responsibility of the customer to determine which frame material suits their desires.

How to Specify

The glazing system shall be Smoke Control's (1300 665 471) proprietary Stopline fixed fire windows, fire tested for up to FRL -/60/-, incorporating black glazing gasket and clear fire resistant safety glass. The system shall be designed and installed to comply with human impact requirements and BCA Clauses C3.4.

For More Information and CAD Drawings

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Fire Rated Skylights

Stopline Fire Rated Skylights can span small or large openings to improve natural lighting. The Stopline fire rated skylights are currently only availabe as fixed (non-openable) systems. Car should be taken when detailing skylights to ensure that it is possible to achieve a water tight installation. Stopline Fixed Fire Skylights comply in full with the requirements of the Building Code of Australia and Australian Standards (AS4285) and have been incorporated in many projects across Australia.

Advantages:

- Fire ratings up to 1 hour
- Available in powder coated finish
- Incorporates maximum transparency, grade A safety glass
- Double glazed units available
- a range of sizes and framing systems available

System Sizes

Maximum total pane size is 2.25 m2 and; maximum pane height: 1500mm, maximum pane width: 1500mm

Note: Unlimited system widths can be achieved provided the maximum individual pane sizes are not exceeded.

Hardware and Design

The system can be supplied with 13 to 36 mm thick fire resistant glass. Our glass provides maximum transparency, allowing it to integrate perfectly alongside non-fire glass. Double glazed units are ideal for for solar control, enhanced thermal insulation and acoustic rating. The galvanised steel framing system is coated both internally and externally to ensure long lasting corrosion protection. The standard frame profile is a 60mm x 60 mm curtain wall type section allowing for exceptional water / air tightness. Stainless steel frames are available for onerous environments.

How to Specify

The glazing system shall be Smoke Control's (1300 665 471) proprietary Stopline Skylight fire windows, fire tested for up to FRL -/60/-, incorporating black glazing gasket and clear fire resistant safety glass with the hardware nominated in the hardware schedule. The system shall be designed and installed to comply with impact requirements as stated in AS4285 and BCA clause C3.4.

For More Information and CAD Drawings

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Windowshield Fire Shutters

Windowshield is specifically designed to provide a slimline and cost effective solution to protect windows in external walls close to boundaries. Windowshield's operation is simple and reliable, containing no motors or electronics. Windowshield's compact design overcomes the space and aesthetic restrictions of other types of barriers such as roller shutters and drencher systems. Complies with the requirements of BCA Clause C3.4 and AS1905.2

Advantages:

- Slimline and light weight
- Unobtrusive design
- Suitable for both new projects and retrofit applications
- Cost effective solution
- 1 hour (-/60/-) fire rating
- Complies with the requirements of BCA Clause C3.4 and AS1905.2
- Available in a range of sizes
- Available powder coated, galvanised and stainless steel finish

System Sizes

Windowshield is available in any size increment up to 2750 x 2500mm (W x H) structural opening size. Please refer to our Fyrehalt fire curtain range for larger openings.

Hardware and Design

The system is normally held in the fully open position by a fusible link. On activation, the curtain drops by gravity (gravity fail safe) to protect the window opening. It is re-wound manually into the head box.

The Windowshield head box and side guides are constructed from galvanised steel and are also available powder coated to standard colours and finishes.

How to Specify

The nominated windows shall be protected by Smoke Control's (1300 665 471) proprietary Windowshield fire shutter system fire tested for up to FRL -/60/- in accordance with AS1530.4 and AS1905.2 with a 135mm W x 140mm H nominal headbox.

For More Information and CAD Drawings

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Metashield Fire Shutters

Metashield fire shutters are an ideal solution for providing fire separation and security. Complies with the requirements of BCA Clause C3.4 and AS1905.2.

Advantages:

- Provides fire separation and security
- Suitable for both new projects and retrofit applications
- Complies with the requirements of BCA Clause C3.4 and AS1905.2
- Available in a range of sizes
- Available powder coated, galvanised or stainless steel finish
- Head box not required to achieve fire performance but available as a cost option

System Sizes

Maximum wall opening height: 3000mm, Maximum wall opening width: 6000mm

Larger sizes are available, please contact us for details.

Hardware and Design

Metashield fire shutters are available in various finishes including; paint, hot dip galvanised, mild steel and stainless steel. Headbox covers are an optional extra.

The system provides two operation options. The motor driven closure is recommended for an environment that requires easy and regular closure such as larger openings and over doorways for controlled decent. The fusible link gravity fail safe system is suitable for use on smaller openings which are easily accessible.

How to Specify

The nominated openings shall be protected by Smoke Control's (1300 665 471) proprietary Metashield fire shutter system fire tested in accordance with AS1530.4 and AS1905.2 for up to FRL -/60/-.

For More Information and CAD Drawings

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

Flame Guard M

Specially developed for Fire Engineers and Architects to be used in lieu of deemed-to-satisfy systems, this solution can also provide security. Designers should be wary of the where this system is to be installed in relation to the direction of natural light. The direction of incoming light may be such that no light will penetrate into the room as illustrated on the windows to the right in the image above.

Advantages:

- Available with powder coated perimeter frame
- May fulfil a security function
- May allow the use of standard sliding or existing windows behind
- Minimal side wall clearance/usage requirements

Note: The Australian Window Association "Window Safety Tips" recommends 'If you have young children in your home and are considering installing security screens be aware that the security screen may prevent escape in case of fire. Ensure at least one window in the room has a release mechanism on the security screen.'

System design

The Flame Guard M system consists of a perimeter aluminium frame that can be powder coated a standard colour. This is fixed to the perimeter of the window opening using a continuous angle or direct fixed to the wall. The mesh consists of a 0.9mm thick woven stainless steel which is coated black to reduce the reflection of light. The free area of the mesh is 49%.

Operation

Flame Guard M provides radiation attenuation. The Fire Engineer must use this data in their design and calculations to determine whether the radiation attenuation is sufficient to prevent non-piloted ignition and therefore fire spread to nearby materials/buildings. This system may be used as a performance based solution if it can be shown that it meets the requirements of CV1 and CV2 in the National Construction Code.

For deemed-to-satisfy solutions

Please refer to our Stopline and Autofire window systems or our Windowshield and Metashield shutter systems in this catalogue.

How to Specify

Radiation Attenuation Mesh shall be Smoke Control's (1300 665 471) proprietary Flame Guard M system supplied and installed with the outer frame powder coated (nominate standard powder coat colour). The mesh shall be constructed of a 0.9 mm diameter woven stainless steel and have a free area of 49% +/- 2%.

For More Information and CAD Drawings

Fire Rated Glass Blocks

Fire rateed glass block systems may be used to protect small windows. Their transparency means that they are better suited to bathroom and laundry windows.

Advantages:

- Fire rated blocks are only available for standard sizes, openings must be made to suit since each brick is vaccuum sealed
- An advantage is that they can help save money on non visual openings so that money can be spent on our other systems such as Stoplines or Autofires.

System Sizes

Maximum opening width = 600mm

Maximum openingn height = 2100mm

Hardware and Design

Each glass brick is a nominal 200 mm x 200 mm and is secured in place using stainless steel reo bars and mortar. Each opening is also framed with a 50mm channel profile along the outer edge to seal the opening. Openings must be made to suit the glass block system. Cutting the fire rated glass blocks will mean that the fire rating becomes void.

Customers should also note the market for glass blocks is declining globally, two major manufacturers (leaving only two) has closed down and as such prices have risen substantially in recent times. It is already becoming apparent that this product is not a long term solution, from extensive maintainance to mismatching relpacement blocks. Since there are so few manufacturers now, replacement glass blocks which match existing / future installations will be harder and harder to come by.

How to Specify

Fire rated Glass blocks shall be Smoke Control's (1300 665 471) proprietary fire rated glass block system. Openings shall be made to suit the required width of full width glass blocks and required perimeter framing.

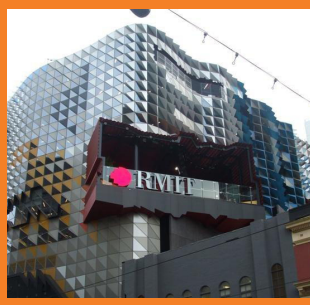
For More Information

Contact Smoke Control on T: 1300 665 471 or visit our website at www.smokecontrol.com.au

SMOKE CONTROL







1300 665 471

info@smokecontrol.com.au

www.smokecontrol.com.au