FLAME GUARD M

FLAME GUARD M

HEAT ATTENUATION SCREEN

AS1530.4



Fire Attenuation

Specially developed for Fire Engineers and Architects to be used in lieu of Deemed-to-Satisfy systems, The Flame Guard M Heat Attenuation Screen can also provide security and fall prevention.

The Flame Guard M system consists of a perimeter aluminium frame which is fixed to the perimeter of the window opening using a continuous angle or direct fixed to the wall.

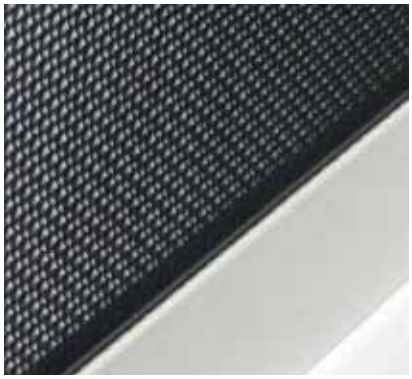
Available with powder coated perimeter frame to match any colour in the Dulux Duralloy range

- May be retrofit over any style of existing window
- Minimal side wall clearance/usage requirements
- Constructed from architectural grade aluminium frame and high tensile 316 stainless steel mesh
- Highly corrosion resistant and exceptionally strong
- 0.8 mm thick woven stainless steel mesh, coated black to reduce light reflection
- Exceeds all relevant Australian and industry standards
- Custom built to suit each project.

SMOKE CONTROL

FLAMEGUARD M (Mesh) Heat Attenuation Screen

INTRODUCTION



Heat attenuation, is the reduction of heat intensity through a medium, such as a mesh screen.

Designed to protect window openings that are less than 3m from a property boundary or within 6m of another building in the same property. The Flame Guard M's purpose is to reduce any radiant heat transmitted from one area to another, helping to prevent the spread of fire between buildings.

COMPLIANCE

Flame Guard M is a marine grade stainless steel mesh with a polyurethane coating for added corrosion protection. It is supplied with powder coated perimeter frame and mounting brackets.

As with all mesh systems used to protect windows close to boundaries, Flame Guard M can only be used as an Alternative Solution in a Fire Engineers Report. Mesh systems do not comply with Building Code of Australia Clause C3.4 but may comply with the Verification Methods as an Alternative Solution. Costs of the Fire Engineers report should be taken into consideration when considering this method of protection. Please contact us on 1300 665 471 for further details.



FEATURES

- Provides security and reduced light transmission
- Suitable for both new projects and retrofit applications
- Available in a range of sizes.



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.'*

SPECIFICATIONS

Material - 316 high tensile stainless steel woven mesh



- 0.8 mm diameter with aperture size 1.6 x 1.6
- Open area - 44%
- Angle of view 160º
- Finish - black polyester powder coating
- Aluminium Frame – Extruded 6063-T6 premium grade aluminium alloy
- Finish Aluminium Frame – Standard Duralloy colour powder coating.

SIZES

Flame Guard M is manufactured to order in any size increment.

FIXINGS

- Fasteners spaced not greater than 300mm apart
- Fasteners shall extend into the substrate no less than 27mm
- Fasteners shall be steel or stainless steel and not less than 8 gauge
- The fasteners shall hold the stainless steel mesh in place over the opening, in the event that the frame holding the mesh in place melts, due to the fire conditions
- The mesh shall be held within the frame by non combustible materials. This would exclude plastic wedges, strips and sections.

FUNCTION

INSTALLATION

In line with Smoke Control's mission to provide customers with reliable solutions, the Flame Guard M (Mesh) is installed by our fully trained and approved installer network.



MAINTENANCE

As with all essential services, Flame Guard M should be maintained in strict accordance with our documented procedures.

Flame Guard M (Mesh) should only ever need to be washed down with a soft brush using warm water and a mild detergent. Rinse well with fresh water to remove any detergent residue. Do not use strong detergents or abrasive cleaners as they may scratch or damage the surface finish.

The frequency of this maintenance is determined by the location of the product. Please contact our maintenance department for further details on 1300 665 471.

WE BELIEVE PEOPLE DESERVE TO WORK & LIVE IN SAFE & BEAUTIFUL BUILDINGS

GENERAL INFORMATION

TECHNICAL SUPPORT



Smoke Control offers obligation free technical support and pricing throughout your design and documentation stage so you can accurately prepare your budgets through value engineering.

You can also download the set of specifications, drawings and technical data from our website www.smokecontrol.com.au.

Contact our technical department to discuss your project requirements, or feel free to arrange a meeting.

Australia	International	New Zealand
1300 665 471	+61 2 96814000	+64 9 300 1980

A LITTLE MORE ABOUT US...

Smoke Control was established in 2003. We partner with leading local and international organisations to work with the new performance-based design environment - in addition to the traditional prescriptive environment - designing and installing systems to meet the challenging Fire & Smoke control demands of modern buildings.

Constant research and development continue to enhance our offering of fire windows, fire shutters and Fire & Smoke curtains, bringing the most innovative technology to both regular and unique project challenges. If you cannot find what you are looking for, please contact our team as we may already have a solution for you.

Smoke Control services all regions in Australia and New Zealand via our own offices and people. International customers can contact our Australian office by phone or email for your nearest distributor.

SMOKE CONTROL

We believe people deserve to work & live in safe & beautiful buildings