

DEFENDER SCREENS

FIRE ATTENUATION SCREENS

Building on a boundary [Class 2-9] OR
BAL FZ [Class 1, 1a & 10] AS3959-2009

DEFENDER SCREENS

The AFC Defender system consists of a perimeter aluminum frame that can be powder coated a standard colour. This is fixed to the perimeter of the window opening using a continuous angle. The mesh consists of a 0.9mm thick woven 304 stainless steel which is coated black to reduce the reflection of light and maximize the clarity of the view. The free area of the mesh is 42%.

Note that the angle of the light relative to the mesh may reduce the light into the room more than expected.

AFC Defender Screen provides radiation attenuation to protect windows close to a boundary [Class 2-9] or to provide BAL FZ performance to AS3959-2009 for Class 1, 1a & 10 construction. Fire Engineers 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.

AFC Defender - Radiation Attenuation Screen Specially developed for Fire Engineers and Architects to be used in lieu of deemed-to-satisfy systems, this solution can also provide security.

ADVANTAGES

- Available with powder coated perimeter frame.
- Can fulfil a security function.
- Allows the use of standard sliding or sash [with restrictor] windows behind.
- Minimal side wall clearance/usage requirements.

SYSTEM DETAIL - SAMPLE SHOP DRAWING

SYSTEM NOTES:

- Assessed to AS1530 section 8.1 using radiant heat flux exposure up to & including 40kW/m² [BAL40].
- Radiation attenuation achieved 42% to 50% of radiant heat flux.
- Furnace Temperature > 850C
- Complies with dimensional requirements of AS3959 section 9.5.1.A 'Construction of Buildings in Bushfire Prone Areas' - 2009
- Impact resistance equivalent to 4kg mass @ 15m/s
- 304mm Stainless Steel
- 0.90mm Wire Diameter
- 1.5mm x 1.5mm Aperture
- 10 strands per inch 42% Open Area.

DEFENDER SCREEN

AFC
BUILT FOR LIFE
"In the game since 1978"

Phone: 9399 6957
Address: 17 Williams Road
Kelmescott WA 6111
Email: Sales@AustralianFireControl.com.au

Project Address: _____

Project Ref No: _____

Opening Width: _____

Opening Height: _____

Colour Selection:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

SHOP DRAWING APPROVAL SCALE: NTS

IMPORTANT INFORMATION REGARDING THIS SHOP DRAWING:
This is a production document based on our understanding of project requirements. It is important to note that material will be manufactured from this information. Whilst we understand that it is our responsibility to determine all manufacturing information we ask that you review this document as a double check to assist in having the correct product delivered to site.

Drawn by: _____ Date: ____/____/____

Shop Drawing Approval

Name: _____ Sign: _____ Date: ____/____/____

HOW TO SPECIFY

Radiation Attenuation Mesh shall be Australian Fire Control's (08 9399 6957) proprietary AFC Defender Radiation Attenuation Screen [System FRBCAFC001] supplied and installed by an accredited installer. System shall be assessed to AS15030 section 8.1 and comply with AS3959 section 9.5.1.A. Radiation attenuation when subjected to 40kW/m² radiant heat flux shall be in the range of minimum 42% to maximum 50%.

www.AustralianFireControl.com.au

Phone: 9399 6957 | Address: 17 Williams Road Kelmescott WA 6111 | Email: Sales@AustralianFireControl.com.au