
Trade Name: Astro Clad Ventilated Fire Barrier

Ventilated Fire Barriers

Creates a ventilated fire barrier within rainscreen cladding.

Tested on timber and masonry wall cladding.

Suitable for ventilated cavities from 15mm.

Independently fire tested to BS476: Parts 20 and 22, EN1363-1: 1999, EOTA TR31

30-120 minutes rating (dependent on substrate).

For either horizontal or vertical application.

Improves cladding performance.



Description

Many rainscreen and cladding systems are designed with an open cavity to provide back ventilation. The cavity acts like an open chimney to allow for moisture dissipation and to create a back pressure to repel rain ingress.

However in a fire situation this chimney effect creates an open path for the hidden spread of fire both vertically and horizontally behind the cladding system.

The Astroflame range of fire rated cladding seals will maintain the ventilated cavity in normal conditions, leaving a continuous free air space, but in the event of a fire, the intumescent ventilated fire barrier will quickly expand to seal off the cavity to prevent the spread of fire.

Ventilated Fire Barriers for Cavities 15mm - 50mm

Many timber framed structures require a continuous ventilated to be maintained to dissipate moisture and prevent damp problems.

The Astroflame ventilated fire barriers have been tested in combustible timber constructions and can maintain the minimum 30 minute rating whilst allowing continuous ventilation in normal conditions.



ASTRO CLAD – AFFRCLAD35

Astro Clad - AFFRCLAD35 was designed to meet the NHBC requirements to maintain a minimum 15mm ventilation gap in timber frame constructions.

The product has been successfully fire tested in maximum size cavities of 25mm fitted directly onto combustible breather membrane and fixed into the timber structure to provide at least 30 minutes fire rating.

Assessed Construction Type	Fire Rating	
	Horizontal	Vertical
Timber Frame	30	60
Masonry, Concrete	120	120

It can additionally achieve greater fire ratings in non-combustible structures

Size:

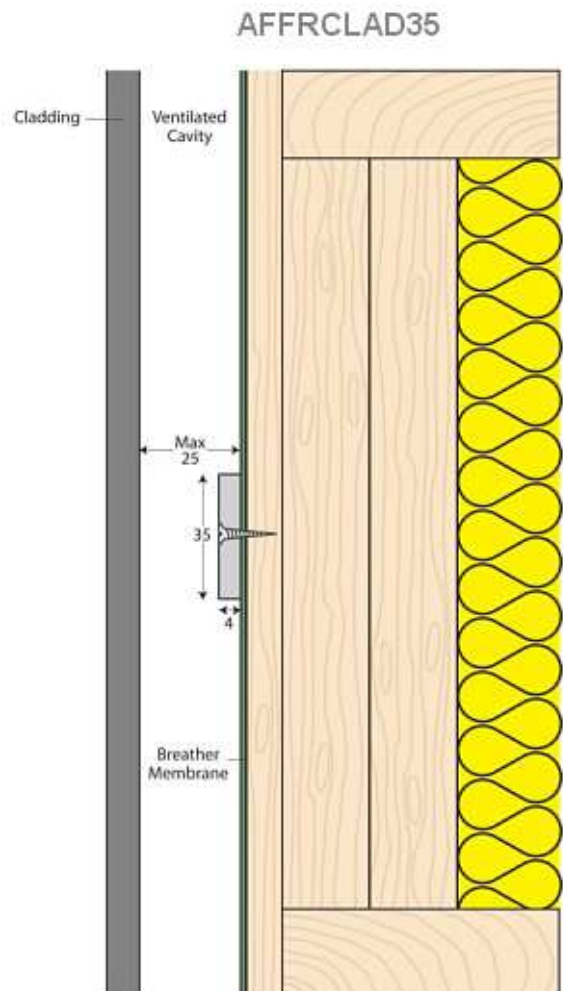
35mm x 4mm x 1000mm encased in foil Maximum cavity size; 25mm
Maximum free area; 83%

Fire ratings:

Minimum 30 minutes in Timber Structures
120 minutes in Non-Combustible Structures

To Order

Astro Clad Silver 35mm x 4mm x 1000mm AFFRCLAD35



ASTRO CLAD – AFFRCLAD75

Astro Clad- AFFRCLAD75 was developed following an increasing demand for a suitable product to close off larger cavities up to 50mm in timber frame constructions.

The product has been successfully fire tested in cavities up to a maximum of 50mm within both combustible timber structures and non-combustible structures to provide up to 120 minutes fire rating.

Assessed Construction Type	Fire Rating	
	Horizontal	Vertical
Brick, Block, Masonry	120	120
Aerated Concrete Block	120	120
Kingspan Kit on Concrete	120	120
Kingspan Kit on Timber	30	60
Mineral Fibre on Concrete	90	90
Mineral Fibre on Timber Frame	30	60
Timber Frame	30	60

Size:

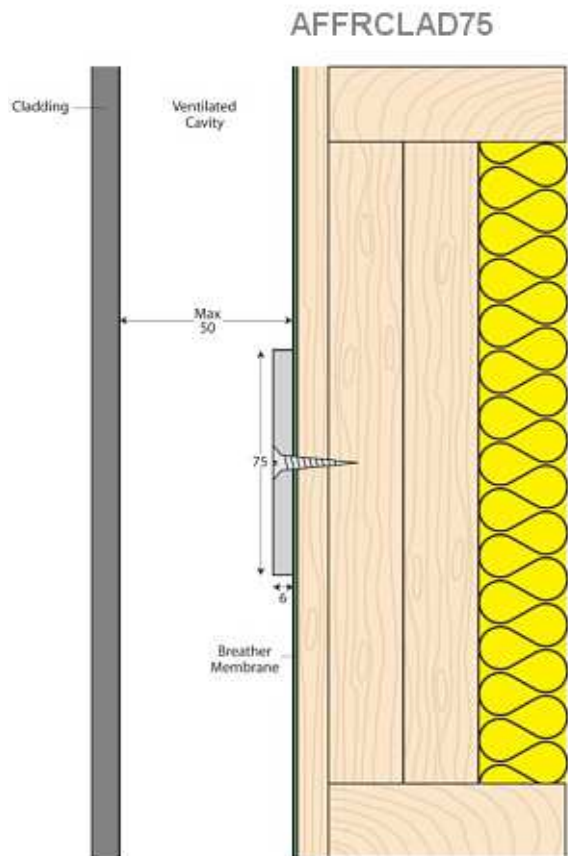
75mm x 6mm x1000mm encased in foil
 Maximum cavity size; 50mm
 Maximum free area; 87%

Fire ratings:

Minimum 30 minutes in Timber Structures,
 90 minutes on mineral wool over cement board
 120 minutes in Non-Combustible Structures

To order:

Astro Clad Silver 75mm x 6mm x 1000mm AFFRCLAD75



Ventilated Fire Barriers for Cavities up to & Over 125mm

ASTRO CLAD – AFFRCLAD5050

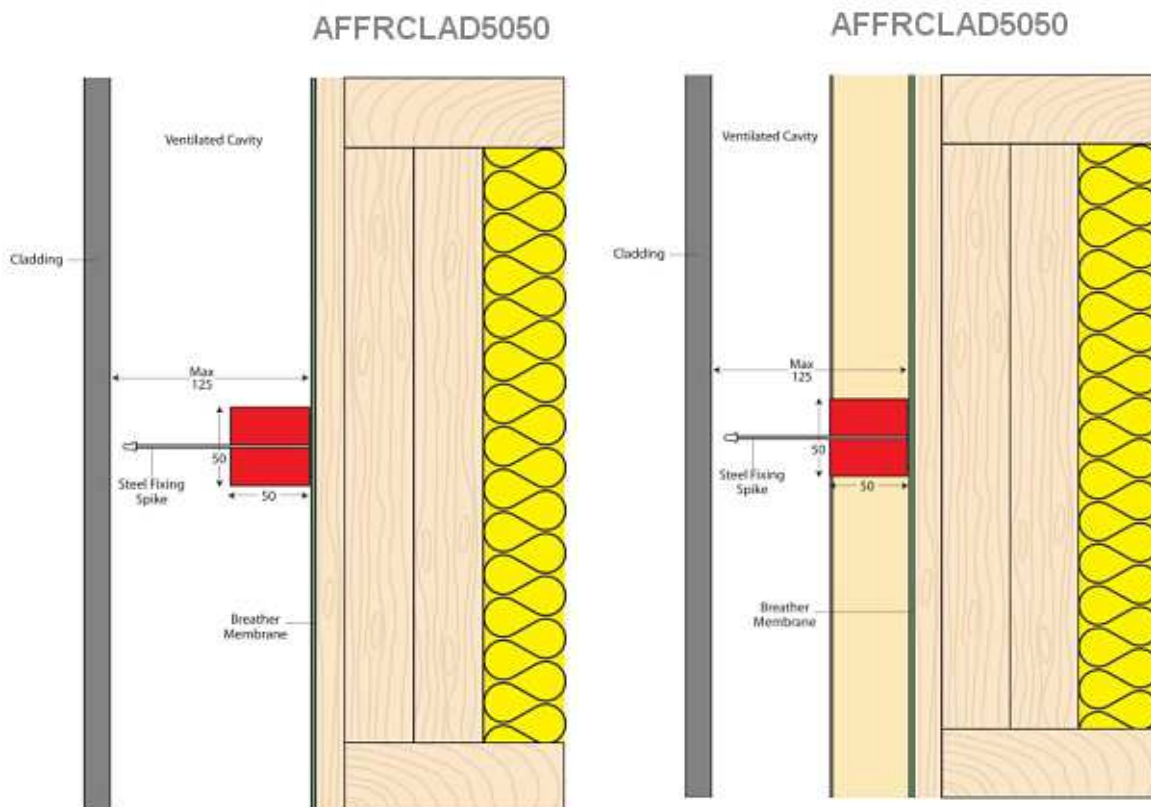
Astro Clad - AFFRCLAD5050 was designed to provide a large continuous open air space for cavities up to 125mm.



Assessed Construction Type	Fire Rating	
	Horizontal	Vertical
Timber Frame	30	30
Masonry, Concrete	30	30

The product has been successfully fire tested to a maximum cavity size of 125mm fitted directly onto combustible breather membrane and fixed into the timber structure to provide at least 30 minutes fire rating.

The fire barrier can also be fitted in between phenolic insulation panels to provide an effective fire barrier.



Size:
50mm x 50m x1000mm encapsulated in red polythene

Maximum cavity size:
125mm

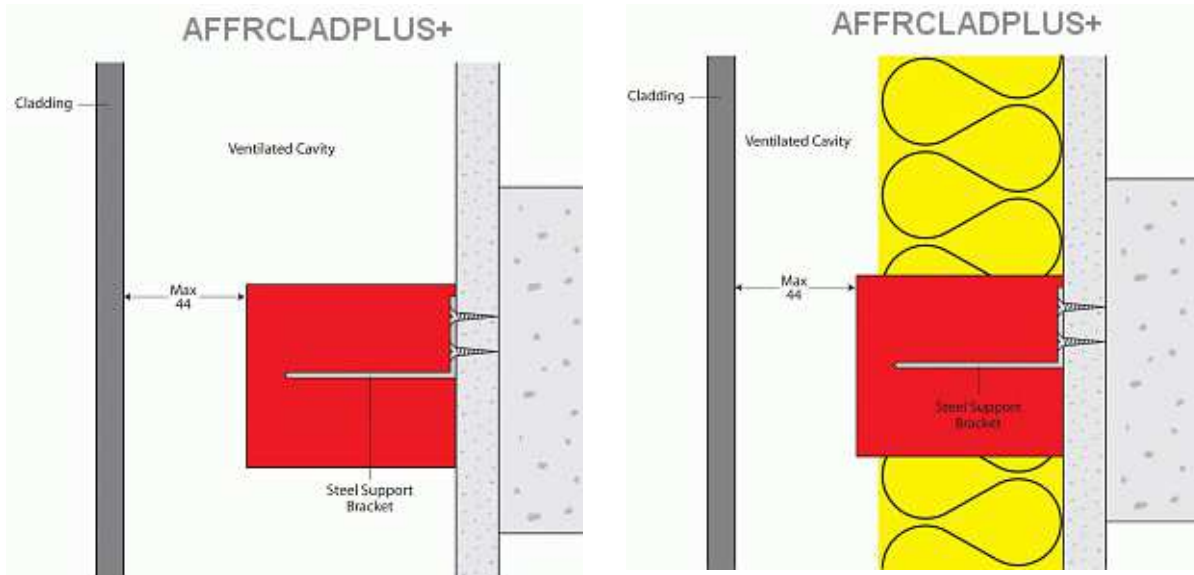
Maximum free area:
60%

Fire ratings:
Minimum 30 minutes in Timber Structures
Minimum 30 minutes fitted between Phenolic Insulation

To order:
Astro Clad Red 50mm x 50mm x 1000mm AFFRCLAD5050

ASTRO CLAD – AFFRCLADPLUS+

Astro Clad-AFFRCLADPLUS+ offers an effective fire barrier for cavities over 125mm. The product has been successfully fire tested for up to 90 minutes fitted directly onto cement board.



The product not only offers a superior fire rating but also allows a continuous ventilation space of up to 44mm. This provides excellent ventilation behind the cladding whilst leaving enough free space for the installer to easily install the cladding panels after the ventilated fire barrier seal.

Assessed Construction Type	Fire Rating *	
	Horizontal	Vertical
Brick, Block, Masonry	30.60.90	30.60.90
Aerated Concrete Block	30.60.90	30.60.90
Fitted with Kingspan Kits	30.60.90.120	30.60.90.120
Mineral Fibre on Concrete	90	90
Mineral Fibre on Timber Frame	30	30
Timber Frame	30	30
* Fire rating will vary depending on cavity size.		

Finish:
Encapsulated in red polythene

Size:
Customer specifies the required depth based on formula below



75mm x 1000mm x Total Cavity Width minus 44mm (Custom Depth)

Maximum Air Gap:
44mm

Fire ratings:
90 minutes fixed to cement board

To order:
Astro Clad Red 75mm x 1000mm x Your Custom Depth mm AFFRCLADPLUS+



To order & specify

Quote: Quantity /Trade name/Product ref

Typical wording: 10/ASTRO CLAD / AFFRCLAD35

Health and Safety

See COSHH Sheet.

Installation

Please refer to our install sheet

As part of our policy of ongoing improvements, we reserve the right to modify, alter or change product specifications without giving notice. Product illustrations are representations only. All information contained in this document is provided for guidance only, and as ASTROFLAME FIRESEALS LTD has no control over the installation methods of the products, or of the prevailing site conditions, no warranties expressed or implied are intended to be given as to the actual performance of the products mentioned or referred to, and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given of products mentioned or referred to herein.

The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product in its intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROflame (Fireseals) Ltd, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice.

Astroflame (Fire Seals) Ltd. Intumescent House
Unit 8, The IO Centre, Stephenson Road, Segensworth
FAREHAM, ENGLAND PO15 5RU

tel 0800 023 2482
(01329 844500)

fax 0800 023 2483
(01329 844600)

intl
tel +44 1329 844500

fax +44 1329 844600

email sales@astroflame.com

[Homepage.](#)