

ECO-CLOSER PLUS

Fire rated cavity closer for window and door reveals

- » Up to **two hours** fire integrity
- » Closes cavity **around window and door reveals** in larger cavities up to 300mm
- » **Prevents cold** bridging
- » Helps **eliminate moisture, mould and staining** from around windows and doors
- » Insulated with foil faced **non-combustible rockfibre**
- » **Plastic profile** acts as DPC
- » For cavity widths from **151mm up to 300mm**



Third Party
Certificated



Excellent thermal
properties



Exceeds Performance
Requirements

Application

ARC Eco-Closer Plus closes wider cavities around window and door openings in masonry walls, providing up to two hours fire integrity. The rigid PVCu profile is insulated with foil faced non-combustible rockfibre mineral wool which provides fire and thermal properties.

Installation

The person installing the ARC Eco-Closer Plus should first familiar themselves with this datasheet, ensuring the correct product is being fitted into the cavity.

ARC Eco-Closer Plus is easily installed. Cut the jamb profile to the height of the window or door opening plus 75mm to allow the bottom edges to drop into the cavity below the sill. Once the jamb sections are installed, measure the required width for the sill section and cut a length to butt tightly to the jamb sections.

ARC Fixing Brackets should be used to mechanically fix Eco-Closer Plus to the inner blockwork, while ARC Brick Ties are then used to build the closer in as

the external brickwork progresses. We recommend a minimum of 2 of each is used per metre, or piece, whichever is shorter.

If a longer length than 2.4m is required, the profile complete with insulation should carefully be cut using a hand saw. Lengths can then be tightly butted together, with care being taken to ensure no gaps remain.

It is always recommended to fit the closer so that the plastic profile is against the external brickwork rather than the internal blockwork. Care should be taken when handling the product to ensure that the mineral wool isn't damaged.



ARC Eco-Closer Plus installed using ARC Fixing Brackets and ARC Brick Ties

Fire Properties

ARC Eco-Closer Plus has been fire tested in accordance with the principles given in EN1366-4, achieving up to two hours fire integrity within a masonry construction.

ARC Eco-Closer Plus is certificated by IFC Certification, a third-party accreditation scheme. IFC's product certifications are designed to give confidence to architects, specifiers, contractors, users, occupiers and owners that products have been thoroughly and independently evaluated and will continue to be manufactured to the same specification as originally tested.

ARC Eco-Closer Plus - IFC certificate number: IFCC 1729

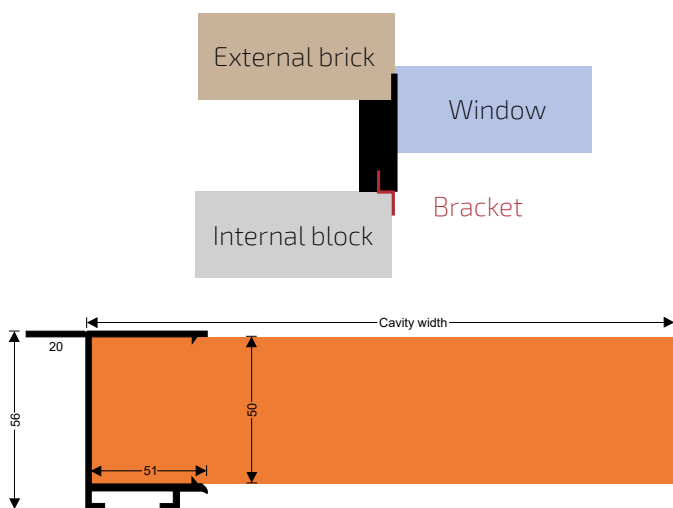
Key Stats

Length supplied	2.4m
Third-party certification	IFC certificate number: IFCC 1729
Insulation	Non-combustible rockfibre mineral wool
Thermal conductivity	0.035W/mK
Fire rating	Up to 120 minutes
Test standard	EN 1366-4:2006+A1:2010
Cavity widths available	Masonry
Orientation	Vertical or horizontal
Integral DPC	Yes
Mass	Data available on request

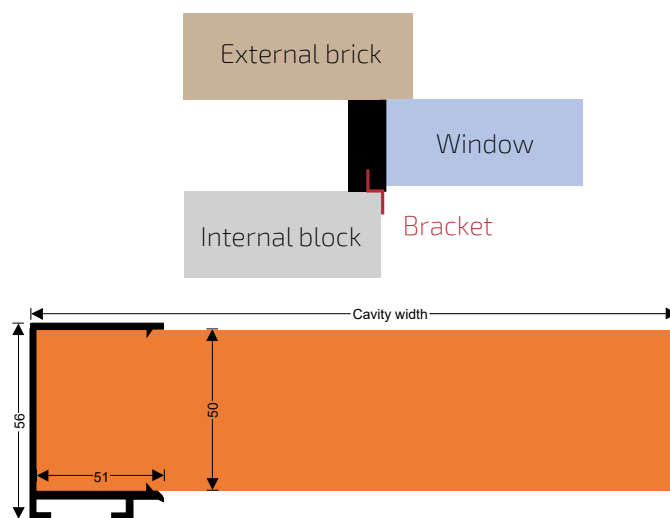
Check Reveal

ARC Eco-Closer Plus is supplied as standard with a single flange to suit standard details. A variant can be supplied with the 20mm flange removed from the plastic profile so that the closer can be used in check reveal details, where the window is set back behind the external brickwork.

Standard detail



Check reveal detail



Product & Packaging Specifications

Product Code	Standard Cavity Width	Dimensions	Fire Integrity (masonry)	Insulation	Lengths Per Pack
EC175PLUS	175mm	178 x 2400mm	2 hrs	15 mins	3
EC200PLUS	200mm	203 x 2400mm	2 hrs	15 mins	3
EC225PLUS	225mm	228 x 2400mm	2 hrs	15 mins	2
EC250PLUS	250mm	253 x 2400mm	2 hrs	15 mins	2
EC275PLUS	275mm	278 x 2400mm	2 hrs	15 mins	1
EC300PLUS	300mm	303 x 2400mm	2 hrs	15 mins	1
EC175PLUSCR - EC300PLUSCR	175mm - 300mm	303 x 2400mm	2 hrs	15 mins	1

Product Code	Dimensions	Pack Quantity
BRICKTIES	ARC Brick Ties to suit Eco-Closer Plus	100
FIXING BRACKETSMALL	ARC Fixing Bracket to suit Eco-Closer Plus	1

All performance claims can be evidenced on IFC certificates IFCC 17279.

Can't find your size? ARC Eco-Closer Plus can be manufactured to suit any cavity width from 151mm to 300mm.

Smaller cavity? ARC Eco-Closer is a fire rated cavity closer available to fit cavities up to 150mm.

Call our technical experts on 0113 252 9428 to discuss your requirements.

Standards

ARC Eco-Closer Plus is insulated with rockfibre mineral wool which conforms to the BS EN 13162: 2001 Thermal Insulation Products for Buildings, Factory Made Mineral Wool Products specification, and has a thermal conductivity of 0.035W/mK.

Non-Standard Applications

Where usage falls outside of the certificated scope, for example when used with external cladding, or with an internal metal frame system, performance of the fire barrier will depend upon the structural integrity and fire performance of the surrounding construction.

Specifiers must ensure all construction elements that make up part of the internal or external leaf of the wall, including support systems, are suitable for use with a cavity fire barrier for the length of fire integrity and insulation required. Particular attention must be paid to any possible deflection or distortion which could cause gaps to form between the construction and any fire barrier installed.

In the event of a fire, ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines.

Storage & Packaging

ARC Eco-Closers is supplied in polythene packs which are designed for transporting and protecting the products. It is not recommended that the packs are stored in direct sunlight. When storing the barriers for longer periods of time it is recommended that the product should be stored indoors, or under cover especially during inclement weather or overnight.

Health & Safety

At ARC Building Solutions, safety is a top priority, both in how we work and the products we supply.

We've carefully assessed the materials we use, and we're pleased to say our rockfibre mineral wool isn't classed as a possible carcinogen.

Our products have no hazardous classifications under UK REACH and GB CLP regulations when it comes to physical, health, or environmental risks.

As always, we recommend following the product instructions when handling and installing ARC products. If you'd like more information on our approach to health and safety as a whole, just ask us for a Safety Data Sheet (SDS).

Environment

No CFCs or HCFCs are involved in the manufacturing process of ARC's rockfibre mineral wool insulation. Additionally, the mineral wool has a Green Guide rating of A+.

This product can be disposed of via landfill; preferably, the product should be returned to ARC Building Solutions so that the waste can be separated and recycled accordingly.

Any information provided within this document is intended for guidance only. Expert technical advice should be sought before specification or installation of any product. It is of particular importance to ensure that any fire barrier or fire stopping product is tested for use with the exact application intended. ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines. Due to the protective polythene, the product as a whole cannot be classified as A1 non-combustible.

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Protecting People.
Protecting Places.