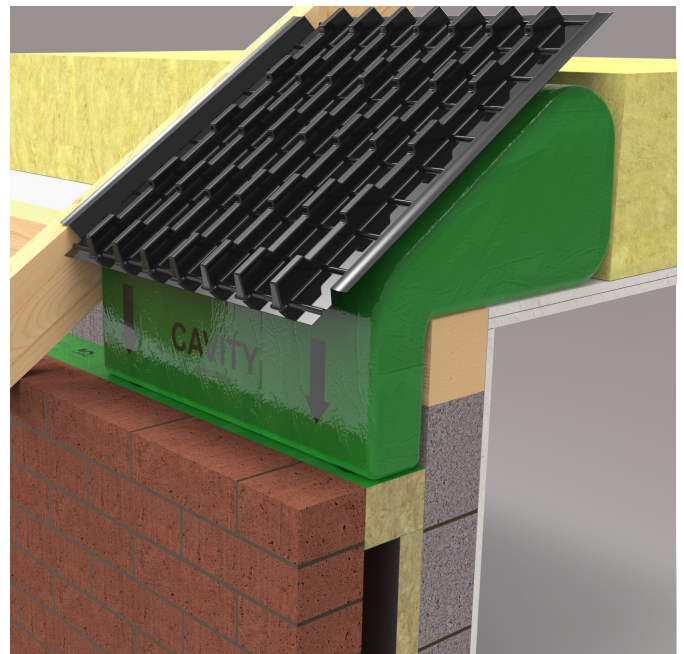




# EAVES INSULATOR

Thermal insulation at the wall plate and ceiling junction

- » Ensures junction detail between wall plate and ceiling is fully insulated
- » Resolves traditional cold spot at difficult to reach triangular cavity
- » Provides ventilation opening of 10,000mm<sup>2</sup>/m
- » Available to fit 600mm rafter centres
- » Can be used in conjunction with all ventilated fascia and soffit designs
- » Housebuilder Product of the Year 2019



# EAVES INSULATOR



## Dimensions & Product Specification

The ARC Eaves Insulator is available to suit most combinations of roof pitch and loft insulation depth. Please use the table below to determine the product that will suit your build. The EXTEI600/300 extension tray provides an additional 300mm of tray length where required.

Loft Insulation Depth	Roof Pitch			
	30°	35°	40°	45°
300mm	EI600/900	EI600/600	EI600/600	EI600/600
350mm	EI600/900	EI600/900	EI600/600	EI600/600
400mm	EI600/900	EI600/900	EI600/600	EI600/600
450mm	EI600/900	EI600/900	EI600/600	EI600/600
500mm	EI600/900 + EXTEI600/300	EI600/900	EI600/900	EI600/900

Product Code	Description	Rafter Centres	Tray Length
EI600/600	ARC Eaves Insulator	600mm	600mm
EI600/900	ARC Eaves Insulator	600mm	900mm
EXTEI600/300	Extension tray to provide additional 300mm tray length	600mm	300mm

## Application

The requirement for ARC Eaves Insulator elevated from the problem of heat loss through the roof membrane at the junction between the pitched roof and the top of the cavity wall. The nature of the shape of this part of the dwelling lends itself to difficulties in access for construction workers to provide adequate and consistent insulation to prevent heat loss.

Traditional methods of filling this 'triangular cavity' are to apply a mineral fibre product manually over the ceiling trusses, forcing it into the narrow gap at this junction. This method of filling this 'triangular cavity' can be problematic for the construction worker. Calculating the amount of mineral fibre required is difficult and knowing how much compression is required to achieve an effective fill results in inconsistencies in insulation and therefore the heat loss achieved.

## Installation

ARC Eaves Insulator is designed to be easily installed using the same method as a standard eaves tray. The stalk of the insulation is placed into the top of the external wall cavity, with care being necessary to ensure a snug fit. The circular overlap of the insulation is pushed in between the roof trusses to rest at ceiling level. The eaves tray can then be mechanically fixed to the roof trusses.

Subsequent Eaves Insulators are fitted in the same manner, ensuring the insulation fits snugly against each other. The product can be trimmed to suit end of run anomalies.

## Standards

The non-combustible glass mineral wool insulation used in the ARC Eaves Insulator has a thermal conductivity of 0.035W/mK, and is classified as Euroclass A1 to BS EN 13501-1

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.

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## Thermal Bridging

Thermal bridging calculations carried out by Leeds Beckett University demonstrate that ARC Eaves Insulator effectively insulates the junction between the wall plate and ceiling.

	Ψ Value (lower is better)
SAP 2012 Approved Ψ value	0.060 W/mK
With ARC Eaves Insulator	0.055 W/mK

## Storage and Packaging

ARC Eaves Insulators are 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 products for longer periods of time it is recommended that the product should be stored indoors, or under cover.

## Environment

The non-combustible glass mineral wool insulation used in the ARC Eaves Insulator represents no known threat to the environment and is classed as ODP and GWP zero.

## Health and Safety

ARC Building Solutions has an approved Health and Safety Policy and is committed to working and supplying products safely. ARC's rockfibre mineral wool is not classed as a possible human carcinogen. We have assessed products as required by Substances Hazardous to Health Regulations (COSHH). An ARC COSHH data sheet is available and can be downloaded from ARC's website.



Certificate Number 19310  
ISO 9001, ISO 14001