

# Eaves Insulator

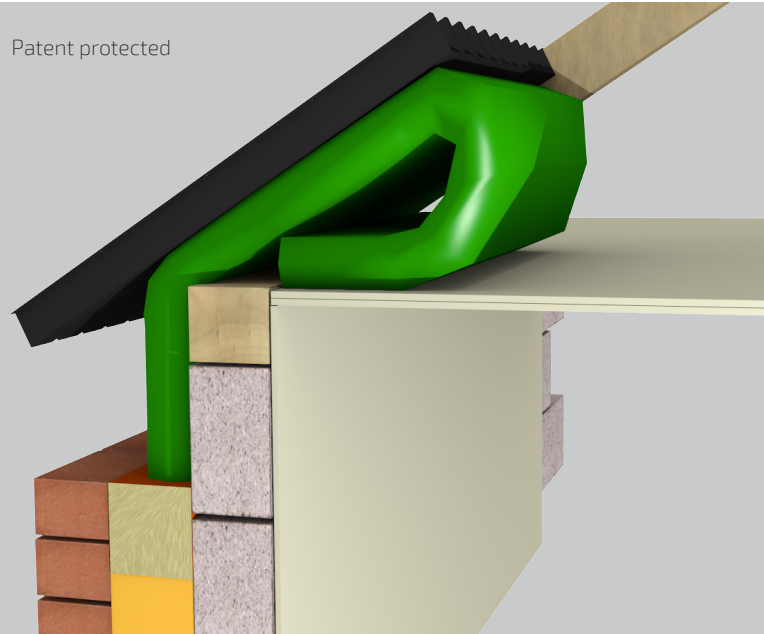
thermal insulation  
at wall plate/ceiling junction



## key features

- » Ensures junction detail between wall plate and ceiling is fully insulated
- » Minimises cold bridging
- » Provides ventilation opening of 10,000mm<sup>2</sup>/m
- » Available to fit 450mm or 600mm rafter centres
- » Can be used in conjunction with all ventilated fascia and soffit designs

Patent protected



## 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 achieves 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

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Assessed to ISO 9001 & ISO 14001  
BRE Certificate No. 1227



## Standard Dimensions

Product Code	To Suit Rafter Centres	Pack Qty	Packs per Pallet
EI450	450mm	5	16
EI600	600mm	4	16

## 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.

	$\Psi$ value (lower is better)
SAP 2012 Approved $\Psi$ value	0.060 W/mK
With ARC Eaves Insulator	0.055 W/mK

## 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.