



Renasco
Insulation Solutions

PRODUCT GUIDE



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Introduction

Renasco design and fabricate bespoke insulation products. Using over a 100 years of combined industry experience to deliver 'insulation solutions' for a wide range of projects.

A family-run business, its mission is to provide innovative and practical products which are easily implemented into roofing schemes, accommodating the roofing industries ever-changing needs.

Renasco has a wide range of cutting and bonding machinery, which enable it to produce a large variety of bespoke products, suitable for all aspects of a build; from flat roofing to vertical clad. It provides a proactive and "can do" approach to every project.

Listening to customer's needs, it engineers effective solutions using only the markets leading premium high performance polyisocyanurate (PIR) boarding and fibre materials. All products achieve high thermal performance and help to eliminate cold spots throughout both domestic and commercial buildings.



Sales contact : 01752 692760

Website : www.roofingsuperstore.co.uk



Renasco Hard Edge

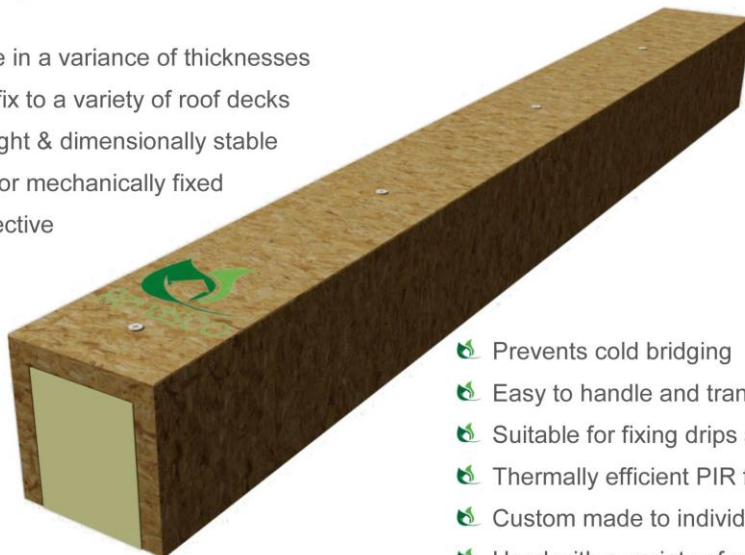
The Renasco insulated Hard Edge is a stop batten that combines the properties of an incompressible perimeter edge or gutter termination to prevent cold bridging. Factory engineered to precise tolerances, it has a high performance insulating core of rigid PIR foam and OSB faces that allow for the mechanical attachment of drips and perimeter trims. It is lightweight, stable and available in a full range of thickness options to complement detailing with any insulation board.

Sections are lightweight, easy to fix and come in convenient 1200mm length ordered on a project specific basis. They form a part of an extensive range of components including angled kerbs, tapered battens that suit many applications.

A full range of technical information is available on structural and thermal performance; this can be requested alongside details of your project application.

Advantages

- Available in a variance of thicknesses
- Easy to fix to a variety of roof decks
- Lightweight & dimensionally stable
- Bonded or mechanically fixed
- Cost effective

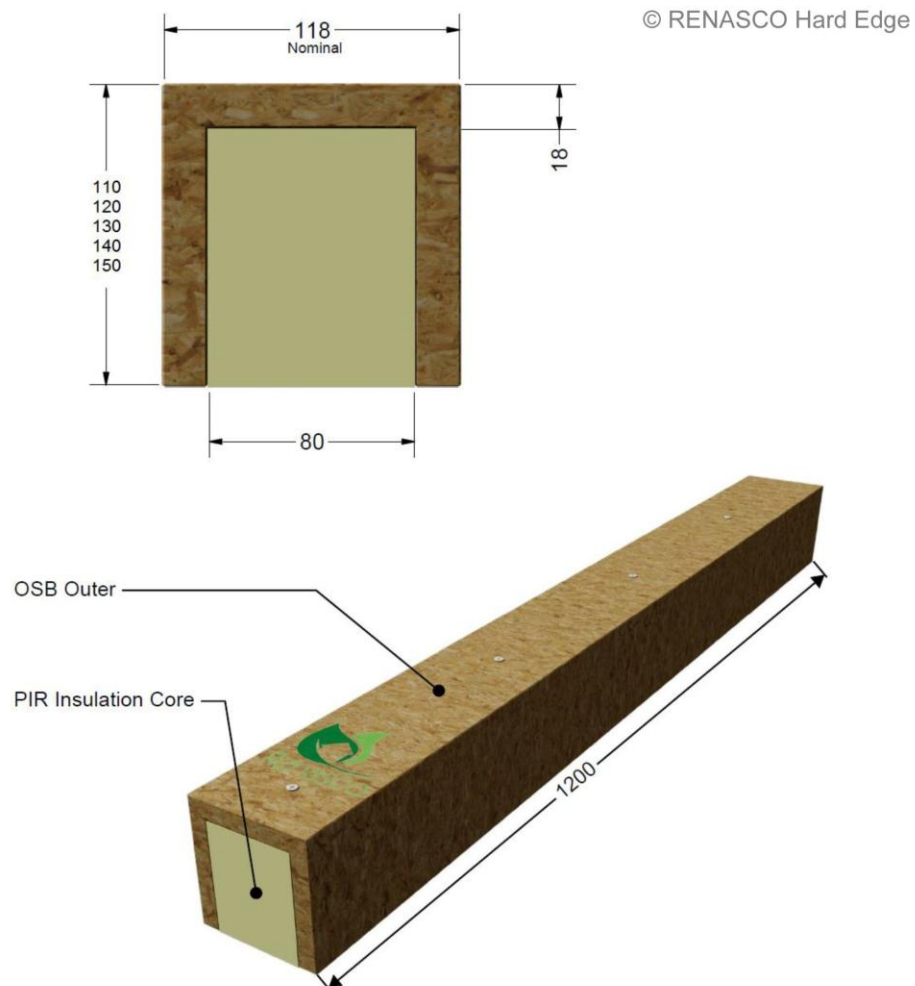


- Prevents cold bridging
- Easy to handle and transport
- Suitable for fixing drips and trims
- Thermally efficient PIR foam core
- Custom made to individual client orders
- Used with a variety of waterproofing systems
- Eco-friendly

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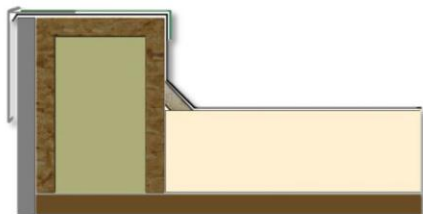
Data Sheet



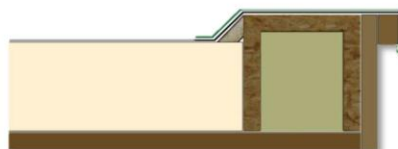
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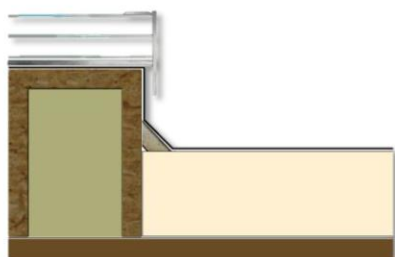
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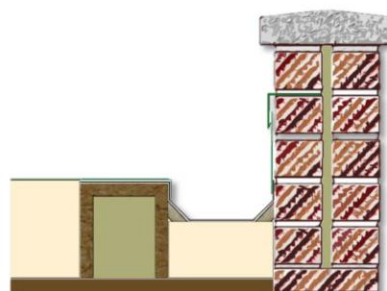
Insulated Parapet up stand



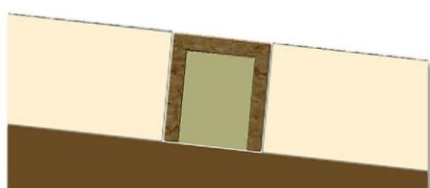
Edge Check Kerb



Roof light Kerb



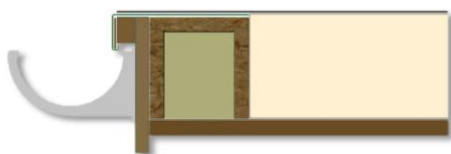
Insulated Gutter Edge



Insulated Stop Pattern



Internal Gutter Termination



Weltd Drip

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Project Information

Reference
Date 14 November 2013
Project Edge Detail for Renasco

Construction Type

Flat Element roof - Edge Detail
Conventional warm flat roof
Internal surface emissivity: High External surface emissivity: High
Thickness Thermal Pitch Bridge Details
Conductivity Resistance ($^{\circ}$)
(mm) (W/mK) (m^2K/W)
Outside surface resistance - - 0.040
Built up felt (2 Layer) 5.0 - 0.040
OSB 18.0 0.130 0.138
4.5% OSB
(102.0mm)

Eurodeck 102.0 - 4.636
Metal Lined VCL 2.3 - 0.020
Decking plywood 18.0 0.170 0.106
Inside surface resistance - - 0.100

U-value = 0.23W/m²K

U-value, Combined Method: 0.23W/m²K (upper/lower limit 4.452 / 4.241m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc0.0000)
(Correction for mechanical fasteners, Delta Uf = 0.000W/m²K)
(Correction for air gaps, Delta Ug = 0.000W/m²K)
(Based on the combined method for determining U-values of structures containing repeating thermal bridges)
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Renasco Bitumen Fillet

The Renasco Bitumen Fillet is used as an alternative to the typical angled wooden fillet – ideal for flat roofs, from felt to liquid plastics. In comparison to the wooden fillet it is more versatile, cost-effective, lightweight, avoids potential cold spots and it's easy to handle and fix. The bitumen coated face gives it strength and flexibility and enables a torch approach for fixing.

It can be mechanically fixed but most often and commonly it's glued with a PU adhesive.

Core

High performance rigid polyisocyanurate (PIR) insulation. Ozone Depletion Potential (ODP) Low Global Warming Potential (GWP)

Face

Bitumen Coated

Product Details

Formed from a PIR board with a bitumen bonded face.

Ideal for a cost effective approach for torch-on installations.

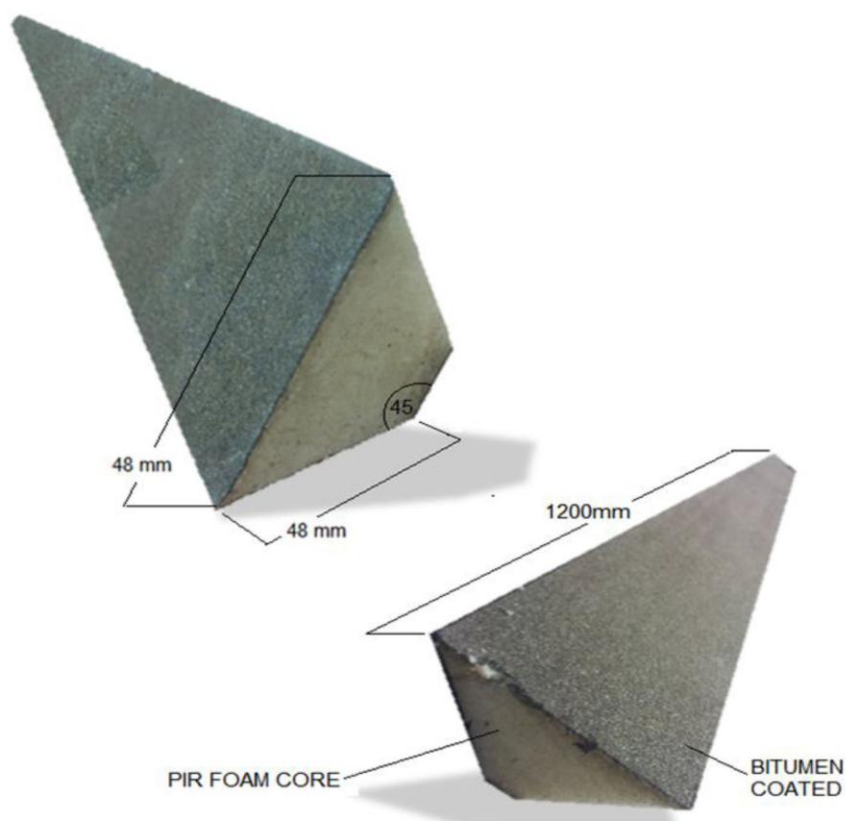
Advantages

- Lightweight
- Cost effective
- Thermally efficient PIR foam
- Easy to handle and transport
- Bonded or mechanically fixed
- Easy to fix to a variety of roof decks
- Available in a variance of thicknesses
- Custom made to individual client orders
- Used with a variety of waterproofing systems

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Renasco Clay Wash

The Renasco Clay Wash fillet is used as an alternative to the typical angled wooden fillet and is ideal for flat roofs, from felt to liquid plastics. In comparison to the wooden fillet it is more versatile, cost effective, lightweight, avoids potential cold spots and it is easy to handle and fix. The glass fibre tissue face gives it strength and flexibility.

It can be mechanically fixed but most often and commonly it's glued with a PU adhesive.

Core

High performance rigid polyisocyanurate (PIR) insulation. Ozone Depletion Potential (ODP) Low Global Warming Potential (GWP)

Face

Glass fibre tissue

Product Details

Formed from a PIR board with a tissue bonded face.

Ideal for a cost effective approach for torch and mechanical fixed installations.

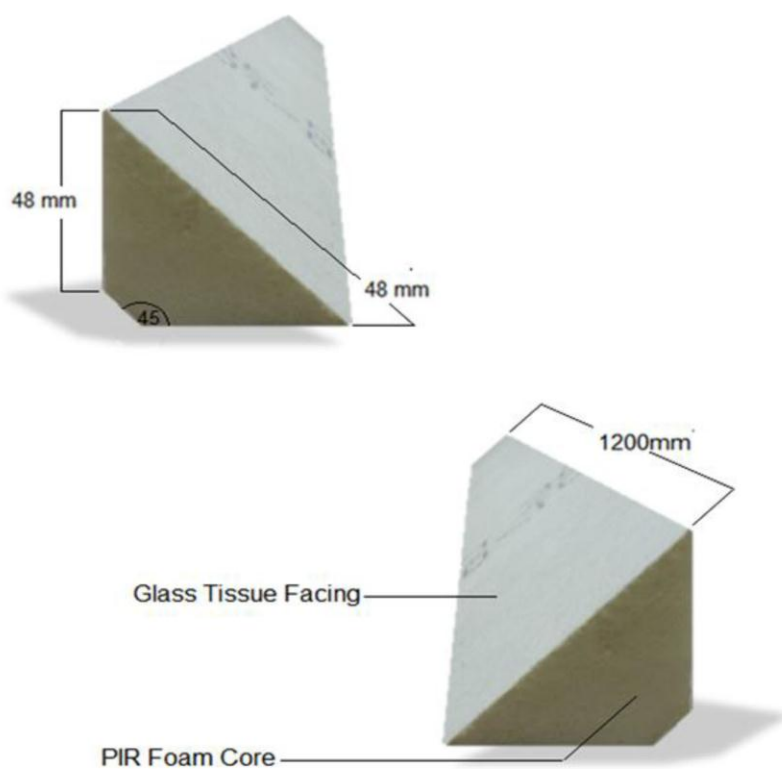
Advantages

- Custom made to individual client orders
- Available in a range of thicknesses
- Used with a variety of waterproofing
- Easy to fix to a variety of roof decks
- Thermally efficient PIR foam used
- Bonded or mechanically fixed
- Easy to handle and transport
- Cost effective
- Lightweight

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Renasco Lamella Boards

The Lamella board is used for concaved or barrelled roofs, dormers and curved cladding, saving time and effort whatever the application or scheme. The Renasco Lamella board can be made out of a variance of size materials - not restricted to depth or width. Both horizontal and vertical curves can be attained depending on the radius of the product itself.

Core

High performance rigid polyisocyanurate (PIR) insulation. Ozone Depletion Potential (ODP) Low Global Warming Potential (GWP)

Face

Foil Faced Tissue or Bitumen.



Product Details

Formed from a PIR board cut to specification.

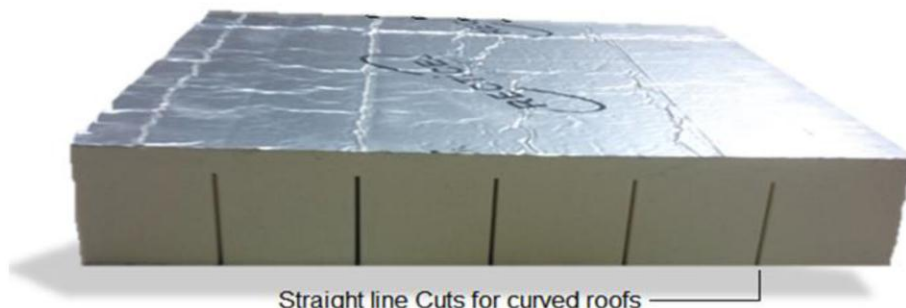
Used for an effortless and accelerated approach to curved roofing.



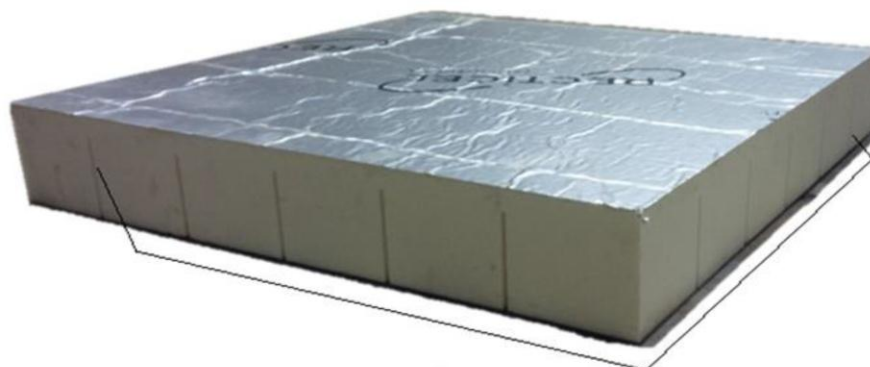
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© RENASCO Lamella Board



Straight line Cuts for curved roofs



Cross line cuts
For curved roof falling in different variance



Renasco Acoustic Infills

Profile Infill's are designed for troughs in metal deck roofs and cladding. A range of shapes and sizes are available to meet the requirements of each individually specified system. Used on building to reduce noise from external sounds such as rain, absorbing internal reverberations and echos in swimming pools and sports halls.

Core

High performance mineral fibre, available in a range of density.
Ozone Depletion Potential (ODP) Low Global Warming Potential (GWP)

Face

Optional tissue facings are available.

Product Details

Formed from Rockwool slabs cut to specification.

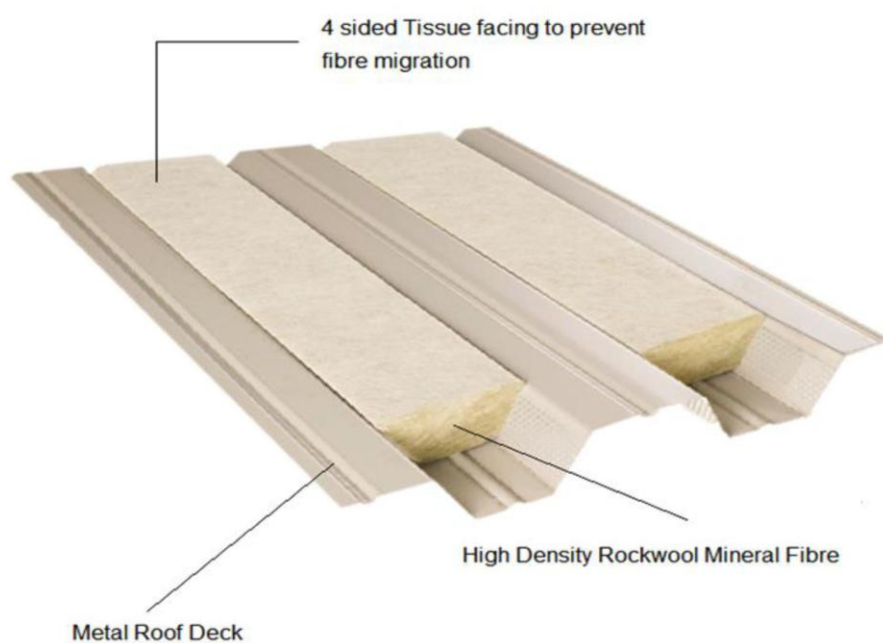


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Data Sheet

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