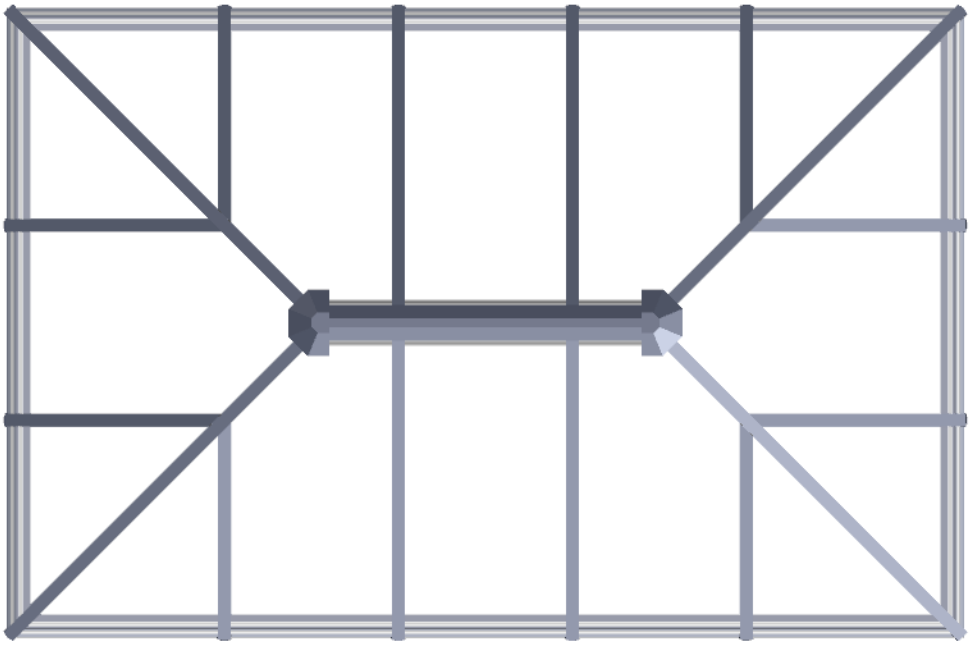
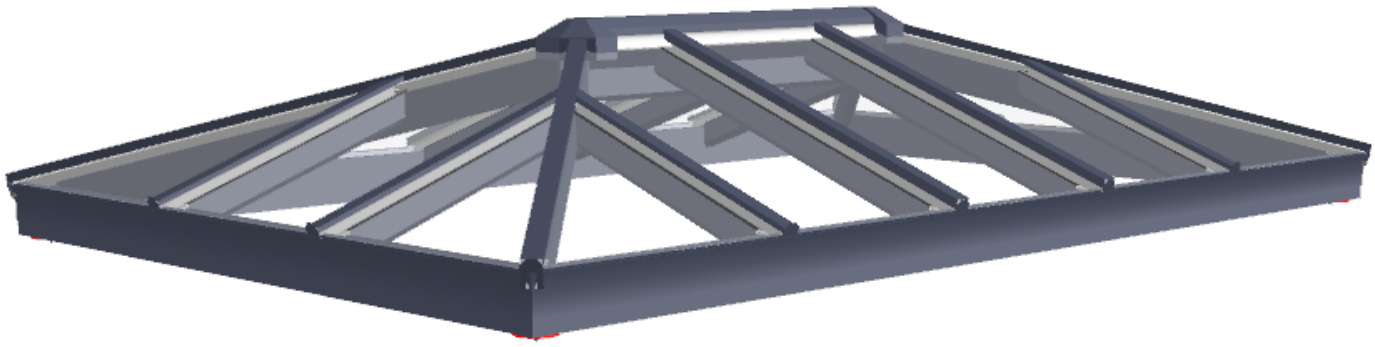
SHAWS

THERMALLY BROKEN ALUMINIUM ROOFLIGHTS

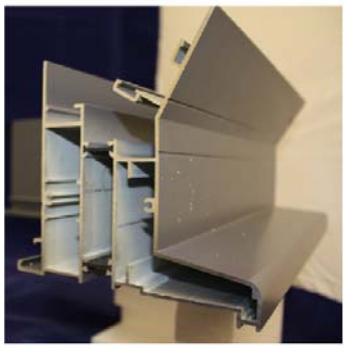
(Scaled 3D Image) Roof shown –3900mm x 2500mm x 20 deg pitch

External View



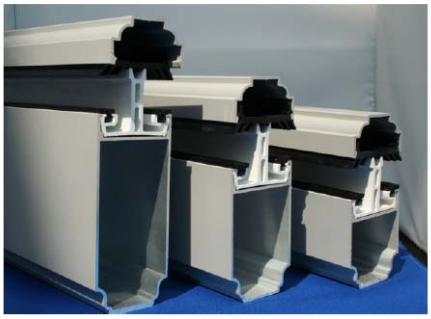


TYPICAL KERB DETAIL

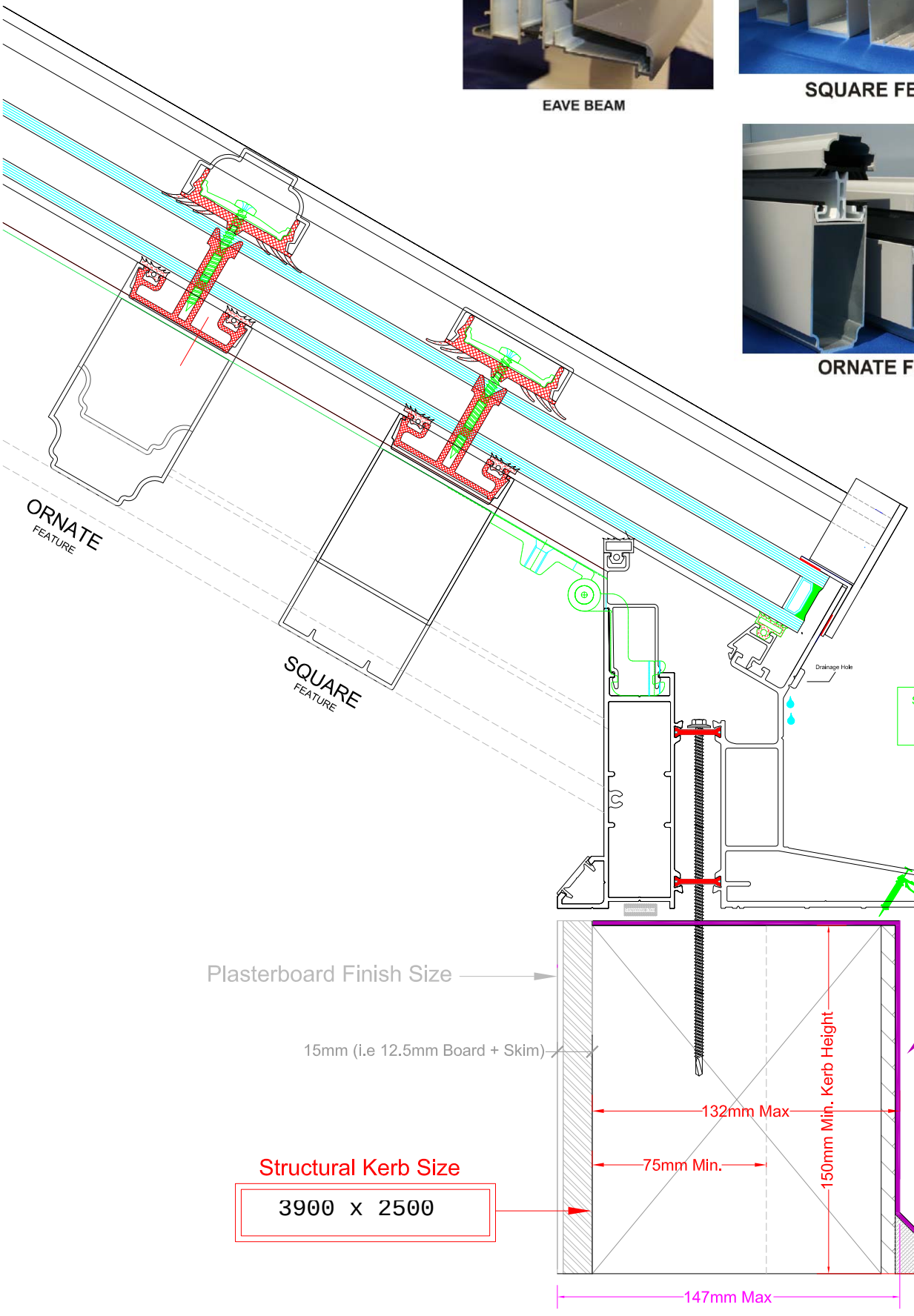


EAVE BEAM

SQUARE FEATURE



ORNATE FEATURE



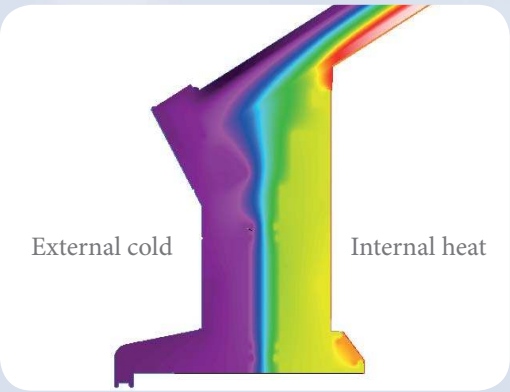
Structural Kerb Size

3900 x 2500

What does thermally broken mean?

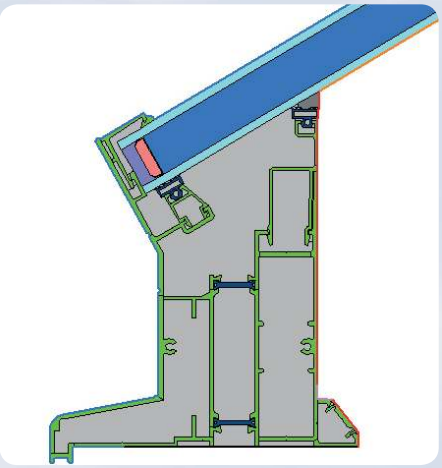
Our system is one of the most thermally efficient systems available on the market.

Both internal and external components are completely isolated from each other by means of either polyamide strip, thermal barriers, insulation and isolators, so there are no cold bridges, thus reducing temperature transfer to a bare minimum.



Eaves Beam

Please make sure you notice these features when comparing us to other 'so called' thermally broken roof systems that are available on the market.



Eaves Beam

Another key feature bespoke to our system is that both the glass and glazing bar system does not project outside our eaves beam, i.e. reducing a cold bridge even further.

Eaves Beam

With lower thermal U values in mind our standard glazing material is 28mm double glazed units, with a centre pane U value of 1.2 W/m2. This U value can be further reduced to an outstanding 0.7 W/m2 by using 50mm triple glazed option (dependant on roof style).

Designing a roof to lower U values even further is achieved by maximizing glass area (maximum glass to aluminium ratio), i.e. the least amount of glazing bars possible.

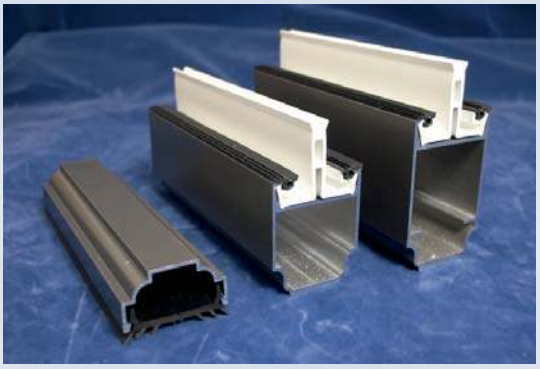
Double Hipped Rooflights

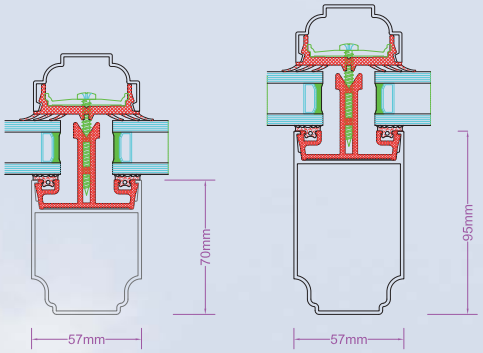
Our rooflights are constructed from aluminium, and are fully thermally broken giving superior thermal efficiency coupled with low maintenance and stylish design.

We offer quality powder coated finishes to any standard RAL colour of you choice including dual colour (i.e. internal/external different colours).

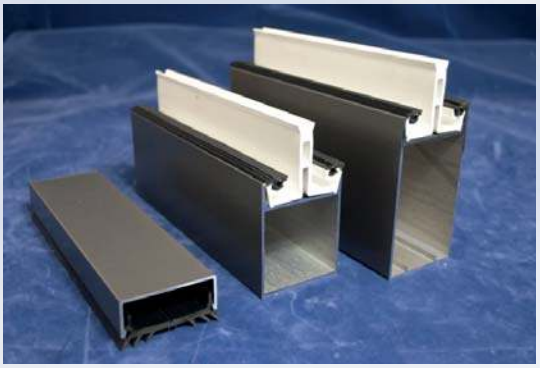
Profile choices

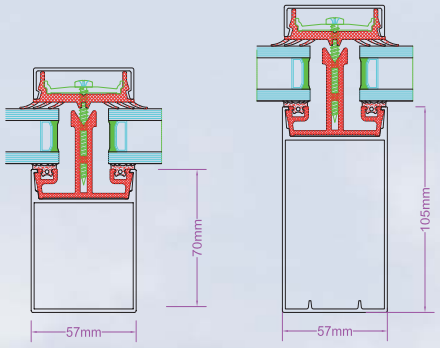
Ornate Profile





Square Profile





Samples available upon request

Natural choice for natural light

Different internal and external profile finishes are available including square, ornate and raked features to suit your application.

Our rooflights are made to your specific size with pitches ranging from 15 to 45 degrees (30 degrees is our standard).

Our rooflights can accommodate a multitude of glazing options from 24mm double glazed to 50mm triple glazed units.

Natural choice for natural light

Double hipped rooflight with square bar feature
6.5 metres long by 2.5 metres wide

Natural choice for natural light

With our sleek yet robust components, large bar centres are achievable delivering maximum daylight penetration.

Rooflight opposite, displays our square bar feature which gives the look of traditional timber without the maintenance.

All our rooflights can accommodate our opening vents.

Ref : 14169 (978) Banks Design

Double Hipped Rooflight
Int. Dimensions : 1500mm x 1200mm
30 Degree Pitch
Colour : Ral 7015 Matt
28mm Pilkington Activ Glazing (Clear)

Ref : 12189 (826) Treen

Double Hipped Rooflight
Int. Dimensions : 1980mm x 1750mm
30 Degree Pitch
Colour : Ral 9910 Satin
1 Electrically Operated Vent
28mm Pilkington Activ Solar Controlled Glazing (Grey)

Ref : 9844 (524) Higgins

Double Hipped Rooflight
Int. Dimensions : 2700 m x 1800mm
30 Degree Pitch
Colour : Ral 9910 Satin
One Electrically Operated Vent
28mm Pilkington Std Glazing (Clear)

Ref : 20655 (1515) Mcquillan

Double Hipped Rooflight
Int. Dimensions : 3000mm x 2000mm
30 Degree Pitch
Dual Colour : Ral 7015 Satin Ext / Ral 9910 Satin Int
28mm Pilkington Activ Glazing (Clear)

Ref : 1476 / 20767 Waters

Double Hipped Rooflight
Int. Dimensions : 3210mm x 1610mm
30 Degree Pitch
Dual Colour : Ral 7043 Matt Ext / Ral 9910 Satin Int
28mm Pilkington Activ Solar Controlled Glazing (Neutral Grey)

Ref : 1528 (21233) Kirkdale

Double Hipped Rooflight
Int. Dimensions : 3515mm x 1645mm
30 Degree Pitch
Dual Colour : Ral 6006Matt Ext / Ral 9910 Satin Int
2 Electrically Operated Vent
28mm Pilkington Activ Glazing (Clear)

Pictures by :- http://www.helenjolliffephotography.com

Architect :- tilly@adonia-architectural.co.uk http://www.adonia-architectural.co.uk

Ref : 1068 (15045) Clarke

Double Hipped Rooflight
Int. Dimensions : 4000mm x 2000mm
30 Degree Pitch
Dual Colour : Ral 7016 Matt
2 Electrically Operated Vent
28mm Pilkington Activ Glazing (Clear)

Ref : 11952 (839) Scicluna

Double Hipped Rooflight
Int. Dimensions : 4000mm x 2000mm
30 Degree Pitch
Dual Colour : Ral 7015 Satin Ext / Ral 9016 Satin Int
28mm Pilkington Activ Glazing (Clear)

Ref : 12532 (834) Hackworth

Double Hipped Rooflight
Int. Dimensions : 4630mm x 3030mm
30 Degree Pitch
Colour : Ral 7022 Matt
28mm Pilkington Activ Solar Controlled Glazing (Blue)

Ref : 9951 (558) Spyrka

Double Hipped Rooflight
Int. Dimensions : 5000mm x 3000mm
30 Degree Pitch
Dual Colour : Ral 9005 Matt Ext / Ral 9910 Satin Int
1 Electrically Operated Vent
28mm Pilkington Activ Glazing (Clear)

Ref : 11172 (903) Maynecol

Double Hipped Rooflight
Int. Dimensions : 5200mm x 4300mm
30 Degree Pitch
Colour : Ral 9910 Satin
4 Electrically Operated Vent
28mm Pilkington Std Glazing

Ref : 108371 (673) GT Wall

Double Hipped Rooflight
Int. Dimensions : 6000mm x 2200mm
30 Degree Pitch
Colour : Ral 9910 Satin
4 Electrically Operated Vent
28mm Pilkington Std Glazing

Roof Vents

Roof vents are purpose made to your exact requirements and can accomodate glass thicknesses from 6mm to 50mm (28mm is our standard).

Powder Coated to any standard RAL colour of your choice.

Manual, 230 Volt or 24 Volt electrical operation options avaliable.

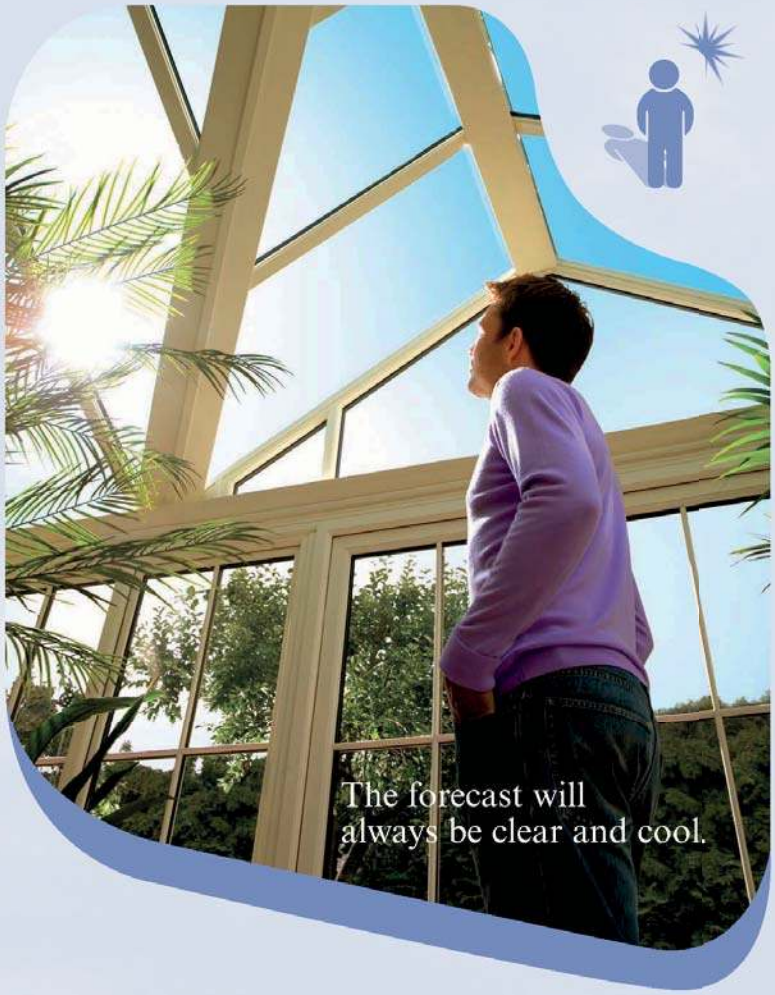
100T Digital control panel with rain sensor and thermostat

Electrical chain motor

Manual worm gear

On/Off Retractive switch

Glass Options



There's an abundance of different glass specifications to choose from.

Our preferred supplier is Pilkington Glass as they are an established company and household name.

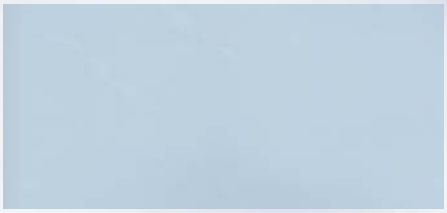
Our standard specification for glass is 28mm Clear toughened double glazed units (with a centre pane U value of 1.2 W/m).

However, we do offer a 50mm triple-glazed unit option (with a centre pane U value of 0.7 w/m2)

Glass upgrades such as Activ Self Cleaning and also Activ Blue or Neutral (Grey) Solar controlled options are available just to name a few.

Glass samples and more technical information available on request.

Clear Activ



Solar Blue Activ

Solar Neutral Grey Activ

Natural choice for natural light

Natural choice for natural light