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LAND AT CROWN STREET, GWALCHMAI, YNYS MÔN

DWELLING CONSTRUCTION MATERIAL SPECIFICATION

Gorfennaf/ July 2022

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- Marley Clip-Master Specification Sheet
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- Profile 22 Windows and Doors Specification Sheet

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LAND AT CROWN STREET, GWALCHMAI, YNYS MÔN

DWELLING CONSTRUCTION MATERIAL SPECIFICATION

1. INTRODUCTION

As part of this planning application it is required that full specification of all the materials which are to be used to construct the new dwellings are to be provided. These materials will need to be approved in writing by the Local Authority prior to determination of this application.

2. CONSTRUCTION MATERIALS

The following construction materials have been specified for the various elements of the dwellings:

Roof ridge tiles:	Redbank Capped Angle Ridge Tiles Colour: Blue Black
Roof Covering:	Marley Eternit Duo Modern Specification Sheet
Facing Brickwork:	Ibstock Hardwicke Sherwood Blaze
Render:	Weber Webrend MT Colour: Ivory
Fascia Boards, Barge Boards & Soffits:	Eurocell Roofline Euroboard PVCu Colour: Black
Rainwater Goods & Guttering:	Marley Clip-Master PVCu guttering and downpipes Colour: Black
Windows and Doors:	Profile 22 Casement Windows & External Doors Colour: White

The material specification sheets for the above have been included in the appendix of this document.

APPENDIX

Plain & Capped Angle

List No. 264
Plain Angle Ridge

Length	Angle
A	B
450	75, 90, 105, 115, 125, 135

List No. 265
Plain Angle Hip Stop End

Length	Angle
A	B
450	75, 90, 105, 115, 125, 135

List No. 268
Plain Angle Quoin End

Length	Angle
A	B
450	90, 105, 115, 125, 135

List No. 302
Plain Angle Gable Stop End

Length	Angle
A	B
450	90, 105, 115, 125, 135

List No. 285
Capped Angle Ridge (One nail hole)

Length	Angle
A	B
450	75, 90, 105, 115, 125, 135

List No. 296
Capped Angle Hip Stop End

Length	Angle
A	B
Made to order	
450	75, 90, 105, 115, 125, 135

List No. 267
Capped Angle Pen Point

Length	Angle
A	B
450	75, 90, 105, 115, 125, 135

List No. 304
Capped Angle Gable Stop End

Length	Angle
A	B
Made to order	
300, 450	75, 90, 105, 115, 125, 135



Product colours
 Red
 Buff
 Slate Bodymix

For further details on colour or pallet quantities visit forterra.co.uk

Tile Design	
Minimum Pitch	
Maximum Pitch	
Size of Tile	
Minimum Headlap (Max Gauge)	
Tile Thickness	
Cover width	
Covering Capacity (net)	
Weight of Tiling	
Quantity Per Pallet	
Battens Required	
Recommended Batten Size	
Underlay	
Tile Colours Available	



Ventilation

Ventilation

Verge

Undercloak – Mortar Bedded

Dry Verge

* Duo Modern should be laid quarter bond. The required quarter bond pattern is created by the introduction of three-quarter width tiles, cut from standard tiles on site, in alternate courses to form verges and abutments.

Eaves

Eaves

Abutment

Abutment

Ridges

Ridge - Dry Fix

Ridge - Mortar Bedded

Mono-Ridge – Mortar Bedded

Hips and Valleys

Hip – Mortar Bedded	
Hip – Dry Fix	
Valley	
Other products	

Fixings

Fixing	
Clips	
Nails	

Other

Useful Links

Sustainability

Authority

British Standards

*Some product codes have been published, if you require a code which is not present please contact our Technical Team on 01283 722230

** This publication is based on the latest data available at the time of printing. Due to product changes, improvements and other factors, the Company reserves the right to change or withdraw information contained herein without prior notice. For specific applications users should refer to the Technical Advisory Service and relevant Standards and Codes of Practice for guidance. The photography shown in the document should not necessarily be taken as recommendations of good practice. The printing process restricts the exact representation of colours. For true colour reference, please request product samples.

¹LTSA – The Lead Sheet Training Academy

A high-performance, multi-coat render system, incorporating glass-fibre meshcloth

weberend MT



Uses

- Designed for application on to an appropriately framed, calcium silicate panelled background, with a choice of textured finishes in a wide range of colours
- For use on sound masonry substrates where the background is uneven and where a high level of crack resistance is required

Constraints

The quality of application of these materials depends on suitable operative skills and product familiarity.

Restrictions on weather conditions during application and curing must be respected.

Sound trade practices and printed instructions must be followed.

Good access and appropriate protection must be provided.

Prior to installation of our **weberend MT** system please ensure that you contact the manufacturer of the proposed compatible substrate boards to obtain their fixing recommendations and ensure the boards suitability in withstanding the necessary wind load requirements for your specific project.

Cembrit PB substrate boards must not be used when the building height exceeds 3 storeys / 7.2 metres.

Features and benefits

- ▲ Large areas can be rendered on calcium silicate panels without the need for expressed joints
- ▲ Allows previously uneven masonry substrates to be rendered
- ▲ Suitable for a range of finishes in a wide selection of colours
- ▲ Factory batched materials for consistency
- ▲ Supported by comprehensive technical and architectural services
- ▲ Established track record in varying climatic conditions

About this product

weberend MT is a high-performance, multi-coat render system, incorporating glass-fibre meshcloth, a resin-rich adhesive coat with a choice of textured finishes in a wide range of colours.

Technical data

Multi-coat render systems – weberend MT on panel background

First Layer	Reinforcement	Fixing	1st Coat	2nd Coat	Finish
N/A	Meshcloth	N/A	weberend LAC or weberend LAC rapid*	N/A	Primer with webersil TF or weberplast TF or webersil P

Multi-coat render systems - weberend MT on masonry background

First Layer (levelling coat)	Reinforcement	Fixing	1st Coat	2nd Coat	Finish
weberend OCR	Meshcloth	N/A	weberend LAC or weberend LAC rapid*	N/A	Primer with webersil TF or weberplast TF or webersil P

*Primer not required with **weberend LAC rapid**

weberend MT

Product/system options

The following product options can be used in the **weberend MT** system. Details on their application can be found on our website www.uk.weber, or by requesting the appropriate Data Sheet.

Product
weber CL150
weberend aid
weberend OCR
weberend LAC or weberend LAC rapid

Product
weber PR310
weberplast TF
webersil TF
webersil P

Materials

Beads, trims and flashings

Render only beads are available in coated galvanised, stainless, coated aluminium or rigid plastic in 3 m and 2.5 m lengths.

Trims and flashings such as oversills and copings, are available in PPC aluminium in 2.5 m lengths or made to order.

Levelling coat

(on masonry where required)

weberend OCR is a polymer-modified, cement based render, that can be applied up to 20 mm thick in one or two passes.

Mesh cloth

Balanced, open weave, alkaline resistant glass fibre mesh cloth is available as:

Standard duty

Weight	160 g/m ²
Mesh dimension	3.5 x 3.5 mm
Size	1 m x 50 m roll

Adhesive coat

weberend LAC and **weberend LAC rapid** are factory batched mortars for scrimming.

Primer

weber PR310 is a pigmented liquid paint and is an effective method of preparing substrates by reducing suction and providing a colour wash prior to the application of the chosen textured finish.

Synthetic textured coatings

A range of textured coatings is available in a wide range of colours.

Preparation

Calcium silicate panels

Ensure panels are securely fixed to frame, providing a rigid in-plane surface without deflection or edge protrusions.

Existing masonry substrates

Treat surfaces with **weber CL150**, a biocidal wash, to remove any traces of organic growth.

Where there is inadequate key, apply **weberend aid** as directed on the data sheet.

Mix and apply **weberend OCR** to produce a level, in-plane background. Lightly brush scratch and allow to dry. Refer to the Product Data Sheet for further information.

Application

Mix and apply the **weberend LAC / weberend LAC rapid** coat approximately 3 mm thick. Lay in the meshcloth and apply a further 2 – 3 mm of **weberend LAC / weberend LAC rapid**. Sponge finish to achieve a flat finish. Allow to dry.

Prime the surface with the appropriate primer. Allow to dry.

Apply the selected textured finish.

In order to achieve high-quality results, always refer to the individual Product Data Sheets before starting any works.

Good practice

Do not apply:

- If frost is forecast within 24 hours of use
- In damp/wet conditions
- In temperatures below 5°C or above 30°C
- On elevations in direct sunlight or where the substrate is hot

Technical support and advice

During the planning stages of a project, advice should be sought from **Weber** technical staff.

Advice based on technical expertise together with unrivalled practical experience is freely available and covers:

Design: assistance with the selection of the appropriate system, including working details and U-value calculations.

Pre-Contract Documentation: specifications, typical details, method statements.

Contract Documentation: site packages, available through the specialist contractor. These include approved details, specification and site procedures.

Health and safety

Contains cement (Contains chromium (VI). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

For further information, please request the Material Safety Data Sheet for this product.

Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical helpline
 Tel: 01525 718877
 e-mail technical@netweber.co.uk

Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

UK and Ireland
 Tel: 01525 718877
 e-mail sales@netweber.co.uk

Saint-Gobain Weber

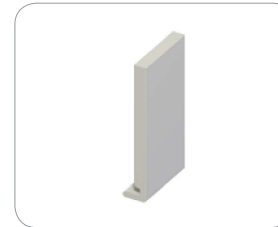
Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK
 Tel: 01525 718877 e-mail: mail@netweber.co.uk www.uk.weber

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

Euroboard 18mm fascia board

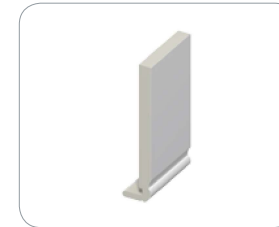


Fascia board is a direct fix product designed for ease of fitting, with low maintenance results. Ideal for both new homes or replacement projects



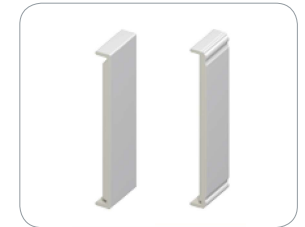
Euroboard 18mm standard

As the flagship Eurocell fascia board, Euroboard is the perfect direct replacement board to make an attractive improvement to any home



Euroboard 18mm ogee

Replacement ogee fascia system, a more decorative alternative to standard fascia board, ideal for new build and refurbishment projects



Double Euroboard standard and ogee

Double Euroboard fascia board is for use on box ends

Accreditations



The Eurocell roofline system Assessment report number 01/3783

Colour options

Standard colour options and finishes:

Our range of Euroboard will enhance any home and is available in colours and styles to suit all tastes. Boards are easy to fit and are fully compatible with our soffit systems for an exact colour match. Colours precisely match our window and door profile systems too!



Note: Not all fascia boards are available in the full range of colours above. For a comprehensive colour availability checklist for each product, see page 61.

Ogee-style Euroboard is available in White only



Euroboard plain fascia in White

As the flagship Eurocell fascia board, Euroboard is the perfect product for new homes or for replacing old fascias. Available in standard profile or a distinctive sculpted ogee style, Euroboard is easy to fit and makes a smart improvement to any home.

At 18mm thick, the boards are sturdy enough to be attached directly to rafters, helping to reduce the cost of fascia replacement. This robust fascia system is designed for long life and low-maintenance, with no painting required.

Euroboard fascias are designed to complement our soffit board range, but are also compatible with all other types of soffit – giving you a choice of styles for your roofline.

Fixing instructions



18mm foam fascia detail

1
Designed for a direct fix, and eliminating the need for a timber substrate, these 18mm thick fascia boards can be secured direct to the rafters at a maximum of 600mm centres using 2 x 65mm A4 stainless steel fixing nails per rafter

2
Care should be taken to ensure that the rafters are level

3
Where any White corner trims, joint trims or angle trims are required, the boards should be cut back 5mm per edge to allow for expansion. If laminated boards are used, the dimension increases to 8mm per edge, and all trims should be secured by gluing one side and leaving the other free for any expansion or contraction

4
The guttering should be secured to every third rafter, although these boards are thick enough to hold extra fixings securely at other points

Please note:
Foiled and laminated boards should be fitted in lengths of **2.5m maximum**, to accommodate the expansion requirements, especially on south facing elevations



9mm foam soffit detail

1
Ensure that prior to fixing soffits, the preservative treatment to the structural timber has dried out

2
All utility boards 100mm-605mm in width should be fixed at a maximum of 600mm centres

3
If ventilation is required, the Eurosoffit board available in 150mm-605mm widths gives the 10mm air gap required for roofs with a pitch in excess of 15°

4
An alternative method of soffit ventilation sees the rigid soffit ventilator joining the Euroboard to the utility boards.

5
If roofspace ventilation has been created by using the over fascia ventilation, the utility board is fitted on top of the ogee or Euroboard leg and secured to the soffit batten using 30mm A4 stainless steel fixing pins



9mm hollow soffit detail

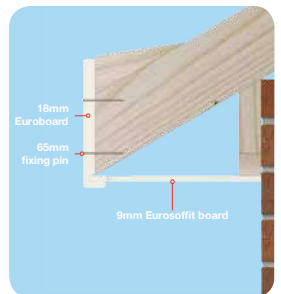
1
Available in 300mm and 100mm widths, these alternative soffit boards can be fitted at right angles or parallel to the full replacement boards giving an attractive tongue and groove effect

2
If no ventilation is required, the hollow soffit can be used on top of the Euroboard leg and fitted to the soffit batten using 25mm cladding pins. If ventilation is required, these boards can also be pre-vented and fitted in the same way

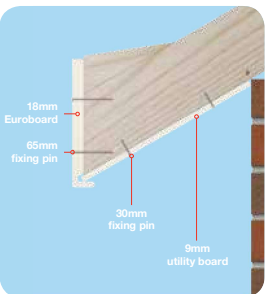
3
A soffit ventilator profile can be used to join the Euroboard fascia and hollow soffit board. If the hollow soffit board is running along its length, the first plank should have the location leg removed, allowing it to fit into the soffit ventilator

Please note:
Hollow soffits are not designed to be used as external cladding or a fascia system. Failure to comply will invalidate the guarantee

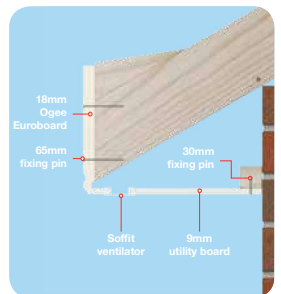
Diagrams



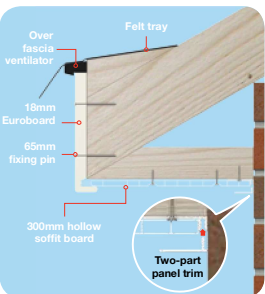
18mm Euroboard fixed directly to the rafter ends, incorporating the 9mm pre-vented Eurosoffit board supported by a timber noggin across the top course of brick work



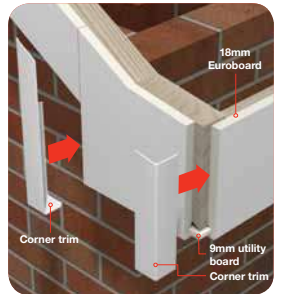
18mm Euroboard profile fixed directly to the rafter ends. Due to the unique design of the angle groove, sloping soffits up to a pitch of 45° can be accommodated using a 9mm utility board



18mm Ogee Euroboard can be used in conjunction with the soffit ventilator and utility board to form the soffit



18mm Euroboard fixed directly with 25mm pins to the rafter ends incorporating the 300mm rigid hollow soffit board, secured with the two-part panel trim. Over fascia ventilator on the top of the Euroboard allows air into the roof space



A gable box end finished with corner trims

Examples of use



18mm Euroboard and 9mm Eurosoffit board



18mm Ogee Euroboard and rigid soffit ventilator with 9mm utility board



18mm Ogee Euroboard and 300mm vented hollow soffit board

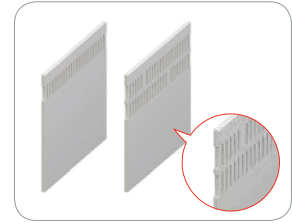


The Euroboard design helps to accommodate a sloping soffit

Soffit board

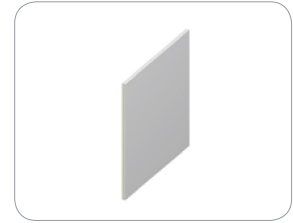


Eurocell manufactures a complete range of soffit boards that perfectly complement our fascias. These high quality components give your roofline an attractive, clean-edged finish and require minimal maintenance



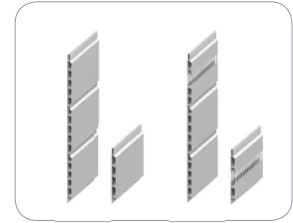
Eurosoffit board 10mm & 25mm airspace

With built-in ventilation slots (10mm or 25mm) to ensure the roof is well ventilated at all times, preventing damp and protecting rafters from rot



9mm utility board

Provides a simple, clean look. See page 24 for ventilation accessories to maintain airflow through the roof space



Hollow soffit board standard & vented

A lightweight, cost-effective soffit solution, which can also be fitted with our highly effective ventilators

Accreditations



Colour options

Standard colour options and finishes:

Our stylish soffits will enhance any home and are available in colours and styles to suit all tastes. Soffits are easy to fit and are fully compatible with our fascia systems for an exact colour match. The colours precisely match our window and door profile systems too!



Note: Not all soffit boards are available in the full range of colours above. For a comprehensive colour availability checklist for each product, see page 61.

Eurosoffit board (25mm airspace) is available in white finish only



Vented hollow soffit board in White



Utility board in White

The systems



Deepflow 110 x 75mm semi-elliptical system

Still the market leader, the Deepflow semi-elliptical profile produces self cleansing flow resulting in a very high capacity. Deepflow can be installed using a notched or notchless joint (see page 14-15 for details).

Downpipe:

- 68mm 65mm

Colours available:



Clip-master 112 x 49mm nominal half round system

Clip-master is a practical, easy to install PVCu nominal half round gutter system which is compatible with most other manufacturers' half round systems. Clip-master can be installed using a notched or notchless joint. (see page 14-15 for full details).

Downpipe:

- 68mm 65mm

Colours available:



Flowline 112 x 60mm rectilinear system

Flowline is an attractive rectilinear profile PVCu gutter system, capable of carrying capacities in excess of standard half round gutters. Flowline is the aesthetic choice for larger roof areas. Flowline can be installed using a notched or notchless joint (see page 14-15 for full details).

Downpipe:

- 68mm 65mm

Colours available:



Deepflow150 155 x 98mm high capacity semi-elliptical system

Deepflow150 is a larger version of the Deepflow profile and is ideal for small to medium commercial projects, flats and industrial applications. Capable of carrying up to 6.0 litres a second. Deepflow150 can be installed using a notched or notchless joint (see page 14-15 for full details).

Downpipe:

- 82mm

Colours available:



Classic 116 x 75mm ogee style system

Classic is a bold, highly decorative, Ogee style PVCu gutter system, featuring both internal and external fascia brackets. All Classic fittings are supplied complete with clips and seals. Outlets and unions incorporate screw fixing points to anchor fittings for the control of thermal movement.

Downpipe:

- 68mm 65mm

Colours available:



Applications

The choice of size and profile means that the range includes a system for almost any building or application.



Rainwater system	Conservatories	Small to medium houses	Medium to large houses	Flats, small to medium commercial projects
Deepflow	●	●	●	●
Clip-master	●	●	●	●
Flowline	●	●	●	●
Deepflow150			●	●
Classic	●	●	●	●

● Ideal application ● Suitable



Product Information

Ibstock Code:	2417
Type:	Wirecut
Facing Description:	Rolled
Dry Brick Weight (kg):	2kg
Pack Quantity:	475
Packaging (standard):	Banded (plastic) & Shrinkwrapped
Factory:	Dorket Head

Technical Specification (to BS EN 771-1)

Brick Dimensions (L x W x H mm):	215x102x65
Size Tolerances Mean & Range:	T2 R1
Configuration:	Vertically Perforated
Voids (%):	20-25
Compressive Strength (N/mm ²):	40
Active Soluble Salts:	S2
Water Absorption (% weight):	16
Durability:	F2
Gross Dry Density (Sound Insulation) (Kg/m ³):	1390
Equivalent Thermal Conductivity "K" value 5% Exposed:	Refer to Ibstock
Initial Rate of Absorption (Suction Rate) (Kg/m ² /min):	Refer to Ibstock
EAN:	5036335030325

Casement Windows

Optima C is a chamfered 70mm-depth system designed for the production of casement, Tilt and Turn, French casements and residential and French doors. The slim, chamfered shape is clean, attractive and suitable for a wide range of projects.

The ever popular casement window is better than ever when made using Optima's slim, chamfered profiles. Almost any size or layout is possible, and there are all the components required for bays, bows and conservatories. Frames can be customised to suit modern or period properties and the system is equally suitable for residential, commercial, education or healthcare projects.

Traditional, outwards-opening styling is updated with modern, durable, easy-to-maintain materials, secure and reliable hardware and thermal performance that can reach the U-values required by Passivhaus standards – all this, in a system that has been designed for efficient fabrication and trouble-free fitting.

These 70mm depth, open-out windows are available in a variety of single or multi-light styles, using top hung vents, side hung casements and fixed lights, either internally or externally glazed, available in 28 colours with a variety of dual-colour options, fabricated to BS 7412. Round head, circular or lancet windows (Gothic arched) may be supplied depending on size, style and application.



Optima-C A 70mm depth system with a chamfered design.



Optima-S A 70mm depth system with a sculptured design.

PERFORMANCE		
TEST	VALUE	CLASS
AIR PERMEABILITY	600Pa	3
WATER TIGHTNESS	600Pa	9A
WIND RESISTANCE	2400Pa	2400
Overall BS EN 6375-1	2400	



Residential and French Doors

We don't believe that compromise should be considered when it comes to doors. Optima provides the highest-quality finish, durability, performance and security along with effortless function and style. We've looked at every aspect of the system's design, from how each component works together to the thickness and position of every internal web. We've tested and checked every aspect of weathering and thermal performance. Optima delivers on every count.



Optima-C A 70mm depth system with a chamfered design.



Optima-S A 70mm depth system with a sculptured design.

Residential and French doors built with Optima's chamfered profiles are suitable for all types of installation, including residential, new build, refurbishment or commercial projects. And like Optima windows, they have been designed for straightforward fabrication and hassle-free fitting on site.

Opening more doors

French and residential doors are always popular and Optima is ideal for both. With a vast range of possible configurations, Optima doors can suit any type of building and cope with any amount of traffic. Fully compliant, the system meets all the requirements of Building Regulations and PAS24 but is also aesthetically pleasing – crucial for providing a warm welcome to a home or as attractive feature glazing. And for a perfect finish across the whole of a project, door profiles are a perfect match for Optima's chamfered windows. Residential doors can be built incorporating single or double side screens with a choice of glazing gaps ranging from 24 to 44mm. Low threshold options are available as are open-out options for fire or safety doors. Required energy-performance levels can be achieved using cost-effective, recycled thermal inserts.

The Optima system fits off-the-shelf hardware and is ready for the most secure locking systems on the market. French doors can be configured to open inwards or outwards and in combination with fixed lights can offer a dramatic sweep of glazing, capable of transforming a room. French doors are also ideal for porches, sunrooms, conservatories or garden offices, even installed on the first floor of a house with a Juliet balcony.



Product features

- Optional Sash & Outer Frame Centre Seals
- Double Chamfered or Sculptured Edge Design
- 24/28/36/40 & 44mm Glazing Options
- 5 Chamber Sash
- 5 Chamber Outer Frame
- Optional recycled thermal inserts create up to 6 chamber sash and 7 chamber outer frame
- Part Q & M Compliant

Profile

Acrylic modified high quality impact resistant white PVC-U extrusion, producing a rigid multi-chambered profile, conforming to the requirements of BS EN 12608, manufactured to BS EN ISO 9001.

Reinforcement

Leaf styles and top and bottom rails, together with outer frame jambs, are reinforced for strength and security with galvanised mild steel to BS 7412, sealed within the profile central cavity. Outer frames can alternatively use recycled thermal inserts.

Secured by Design

Secured by Design is a scheme run by the Police to help homeowners choose security products that meet rigorous Police-approved standards. When you see the Secured by Design hallmark you know you are choosing products that have been rigorously tested and approved by the Police. To achieve accreditation the lock must withstand a series of tests, including a simulated break-in.

Glazing

Double-glazing to BS 6262 can be supplied, using 4mm or 6mm safety glass, depending on thermal or acoustic requirements. Double glazed units conform to BS EN 1279. Glazing options include patterned glass; Georgian bars and leading, all internally glazed with post co-extruded beads.

Performance

Double weather seals ensure the performance meets the requirements of BS 6375 Part 1, as shown below. A weather bar is fitted on all open-in doors.

PERFORMANCE		
TEST	VALUE	CLASS
AIR PERMEABILITY	300Pa	2
WATER TIGHTNESS	100Pa	3A
WIND RESISTANCE	1200Pa	A3
Single and double doors		
Overall BS EN 6375-1	1200	

