



INTRODUCTION TO OUR PVCU DOORS & WINDOWS



MERIDIAN BUILDING PLASTICS LTD

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MADE IN AND FOR THE UK

WINDOWS AND DOORS, MADE IN AND FOR, THE UK

Combining cutting-edge innovation and performance with elegant design and effortless style, our extensive range of PVC-U and Aluminium windows and doors bringing form and functionality to your home.

Offering the highest levels of security and energy efficiency, technology meets slim sight-lines and an extensive choice of finish to suit your home – each designed and manufactured in the UK.



Proud to be
Made in Britain

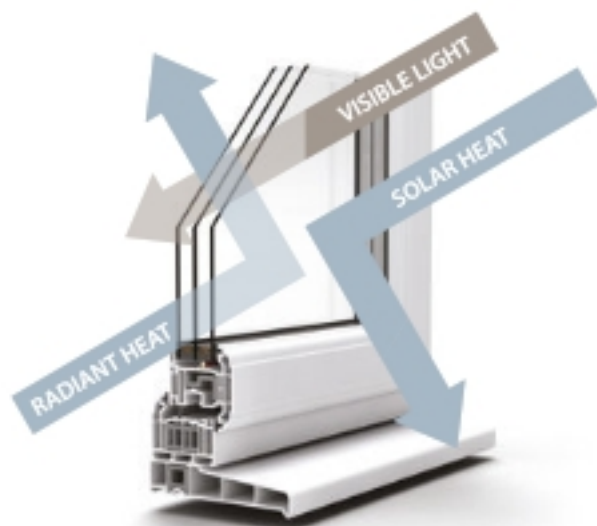
WHAT MAKES OUR WINDOWS AND DOORS ENERGY EFFICIENT?

Glass

Glass is the single most important factor in defining the energy performance of your new windows and doors. Our glass supplier, is at the leading edge of innovation. With a proud reputation of being a market leader globally in glass sealed unit manufacturing.

All of the double and triple-glazed glass units that we supply use smart low-e coatings on glass - a one-way door for trapping and holding energy.

We also use warm-edge spacer bars, which separate the sheets of glass in double and triple-glazed units to put 'space' between the cold air outside and warm air inside. This cavity is filled with argon gas. It's completely inert in the environment and you can't see it but because it's denser than air. It creates a highly effective insulating barrier, helping to keep your home warm and cosy on even the coldest of days.



Windows, doors and glazed extensions

Our PVC-U windows and entrance doors are manufactured in the UK's leading Profile 22 Optima system, with over £18 million of investment from Profile 22 and our manufacturing partner Emplas Window Systems, you can be confident your windows and doors are the most advanced in the market today.

Our frames feature an internal 'honeycomb' multi-chamber system, which create a series of thermal barriers between the warm air inside your home and cold air outside of it.

PVC-U and composite doors

The same principles are applied in PVC-U panel and composite front and back doors. These use a tough high density polyurethane foam core in the leaf to provide exceptional levels of insulation.

The exact energy efficiency of your new door will depend on a number of different factors including the style of door and glass you choose but all feature our warm core foam technology.

This maximises the thermal efficiency of your new composite door, making it up to almost 20 per cent more energy efficient than a traditional solid timber door.

Window energy efficiency

1. Low-e coatings on glass create a thermal barrier, preventing heat transfer.
2. Warm-edge spacers used to make up glazing units create space between warm air inside and cold air outside.
3. Gap created by the spacer bar is filled with inert high density gas. Denser than air, it provides an additional barrier to heat transfer.
4. 'Honey-comb' chambers inside PVC-U windows create multiple thermal-breaks.
5. Thermally efficient, recycled composite material reinforcements used in place of energy inefficient steel reinforcements, further improve energy efficiency. (please note full steel may be required in some applications for structural reasons).

PVC-U WINDOWS

Our windows feature the latest innovation in attack resistant and robust PVC-U frames and hardware.



 **MADE IN
BRITAIN**

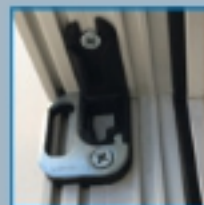
 **10 - YEAR
GUARANTEE**



Up to 6 point locking technology with two locking points per shootbolt (if selected) and double cam locking centrally



Developed to withstand even the most determined intruder. Tested by an independent test laboratory to over 3,500N force



Patented docking system prevents sideways movement of the shootbolt when under attack (if selected)



Heavy duty bolt has up to 300 per cent greater contact area against competitor shoot-bolts (if selected)



Resistant to salt spray (BSEN1670) and cycle tested over 50,000 times for ultimate long-term performance

Meets and exceeds all current building standards including PAS24 (when dog bolts and laminated glass are selected where appropriate)

CHOOSING THE RIGHT STYLE OF WINDOW FOR YOUR HOME

Every home is different, which is why we offer a wide range of window styles and colour options. Making the right choice is about working out not only the best fit to the character of your property but also thinking about how you want to live in it.

Choosing a window style is the starting point. The handles or any colour or finishes you then add, will further define the appearance of not just your windows but your home as a whole. We'll work with you to help you make the perfect choice.

FRAME DETAILING

Our casement, tilt-and-turn and fully reversible windows are available in a choice of sculptured, chamfered or flush frame systems.



SCULPTURED DETAIL

Sculptured detailing offers a more traditional decorative finish replicating the curves found on traditional timber windows.



CHAMFERED DETAIL

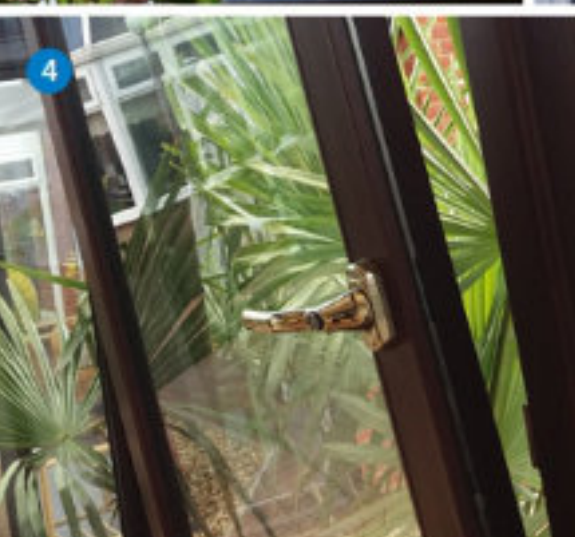
Chamfered detailing features a more contemporary and simpler bevelled edge, with straight sightlines.



FLUSH SASH DETAIL

Our flush-frame windows feature a dedicated slim-line window sash which sits flush with the outer frame. This recreates the aesthetic of a period casement timber window in a low maintenance and energy efficient option.

Mechanical joints as shown are available when selected.



1 CLASSIC CASEMENT

Timeless and with classic appeal, our range of beautiful and flexible casement windows can be designed to complement period properties or contemporary homes delivering perfectly balanced sightlines.

2 FRENCH CASEMENT

Featuring the same classic styling, our french casements are designed so that they don't require a central mullion (upright). Opened, it means views are uninterrupted. With no fixed mullion, you can be confident our windows comply with the fire regulations for escape.

3 FLUSH CASEMENT

Outward opening top hung casement windows are a contemporary British design with 90° mechanical-joints on the Optima Flush sash casement, which combines a technically advanced multi-chamber PVC-U system with traditional timber sightlines.

4 TILT-AND-TURN

The ideal solution where external access is an issue, tilt-and-turn windows can be swung into a room for cleaning. Streamlined and contemporary, they're great for wide variety of properties.

5 FULLY REVERSIBLE

Like tilt-and-turn windows, fully-reversible windows are great where access for cleaning can be a problem rotating 180°. This advanced solution is also available in a flush casement finish.

6 VERTICAL SLIDING SASH WINDOWS

The classic choice for Georgian, Victorian and Edwardian properties, our box sash windows bring 21st century innovation and energy efficient to period styling.

7 GEORGIAN ASTRAGAL BARS

Our georgian astragal bar range allows you to bring additional period character your design. Running horizontally or vertically across the glazed units of your casement or sliding sash windows, astragal and georgian bars replicate the appearance of the jointing between panes of glass on a traditional Georgian window.

WINDOW HARDWARE AND FURNITURE

High Security Locking and Weather-tightness

The seal formed between the fixed window frame and opening sash is a critical element in door security and weather-tightness.

Our windows feature up to 6 point locking technology with two locking points per shootbolt and double cam locking centrally. As well as locking the window along the sash, our heavy duty multi-point locking system provides a dedicated fix in each corner.

This makes it far harder for intruders to force it open but also improves the weather seal. Our patented docking system also prevents the sideways movement of the locking keep when under attack from intruders.

Independently tested to 3kN* force - in the PAS24 Security test – it gives you absolute peace of mind that every element of hardware design is optimized to keep intruders out.

* Our windows withstood a load of 6kN - double the test standard. A copy of this letter confirming the test results can be supplied upon request.



Our range of elegant and ergonomically designed handles bring form to functionality. Designed to fit naturally into the user's hand, they exude quality to the touch.

Beautifully crafted, our Signature™ hardware range is available in premium quality white and black powder coated finishes; chrome plated; and gold and satin electroplate finishes.



Satin



Gold



White



Black





WINDOW COLOUR AND WOOD-GRAIN FINISHES

Colour is a powerful design tool.



It can make your windows and doors seamlessly blend into the materials that surround them, delivering a subtle finish, which suggests that they have always been there.

It can drive bold statement designs which exude contemporary sophistication.

Or colour can sit anywhere in between – the choice is yours.

Our extensive colour and finish range from traditional woodgrain options, to contemporary greys and subtle creams and whites brings incredible design flexibility to low maintenance and energy efficient PVC-U windows and doors.

All colours are a visual representation only.



White



Cream



Rosewood



Light Oak



Anthracite Grey



Anthracite Grey
Smooth



Black Brown



Pebble Grey



Sage Smooth



Claystone

*Colours above show our standard colour range available for windows. Additional colours available upon request see page 39

PVC-U PANEL FRONT AND BACK DOORS

Our PVC-U panel infill front and back doors provide a high security, low maintenance and robust option, that's fully geared up to survive every day family life!

They won't warp, or twist and require only the minimum of maintenance, while a high security multi-point locking mechanism and anti-bump, pick and drill cylinder locks mean that they meet and exceed PAS24, the Building Regulations Security standard.

With a wide selection of decorative glass options, colour and finish choices, you can design your perfect door.

* When selected

PVC-U PANEL FRONT AND BACK DOORS – TECHNICAL OVERVIEW

Our PVC-U infill panel doors, like our composite front and back doors (see pages 42-43) employ cutting-edge innovation to keep your home warm, secure and weathertight.



LOW THRESHOLD



STANDARD PVC THRESHOLD



Be sure it's secure

All our PVC-U doors are Kubu equipped as standard,.



- 1 Robust vacuum and pressure bonded panel, featuring reinforced core and 'type A' fire resistant and thermally efficient expanded polystyrene insulation
- 2 Choice of contemporary and traditional designs
- 3 Secure energy efficient door frame, featuring localised thickening of walls, providing increased screw through pull and hardware retention
- 4 Multi-point locking mechanism and high security keep
- 5 Anti-pick, anti-bump and anti-drill door locking cylinder. (if selected)
- 6 High performance gaskets provide superb weather sealing
- 7 Energy efficient decorative glazing options
- 8 Choice of standard PVC or low aluminium threshold options
- 9 Choice of colours and woodgrain finish options.
- 10 Meets and exceeds all current requirements under building regulations, when specified
- 11 Optional dog bolts an additional burglar deterrent



Our superbly crafted PVCU panel doors bring style and elegance to any home. Combined with a choice of decorative glazing options it won't be hard to find the perfect new door for your property.



BALMORAL ONE

Shown with
Minister glass



CHATSWORTH ONE

Shown with
Cotswold glass



HANOVER HALF

Shown with
Autumn glass



THE ARTEMIS

Shown with
Contora glass



THE MANOR

Shown with
Stippolyte glass



THE SANDRINGHAM

Shown with
Everglade glass

PVC-U PANEL DOOR FINISH, GLASS & HARDWARE OPTIONS

Your door is the sum of its parts. We've taken care of the things that you would expect. Energy efficiency, security and weather tightness – but it's your choice of colour or woodgrain and hardware, which will give it those all-important finishing touches.

OBSCURE GLASS OPTIONS

PRIVACY FOR YOUR HOME

Alongside colour, your choice of glass will shape the appearance of your door. Whether you choose a simple privacy glass or decorative glass finish, all of the glazing units we supply are internally beaded and feature A-Rated energy efficient glass.



Everglade



Peletine



Charcoal Sticks



Contora



Florielle



Mayflower



Oak



Digital



Taffeta



Chantilly



Minster



Warwick

Please note double glazed options, do not come as laminated / SBD as standard



Door featured with Everglade™



Door featured with Contora™



Door featured with Charcoal Sticks™

HANDLES, HARDWARE & DOOR FURNITURE

Your door handle is the part of your new door that you'll touch each and every day. Your letter plate, choice of knocker, all come together to put the all-important finishing touches to your new door.

Whether you're designing a contemporary, bold, statement door, or recreating the timeless charm of a period installation, we can offer you the perfect choice of lever, pad lever, heritage or contemporary pull handles available in white, gold, chrome black and satin finishes.



We also offer a Long Lever easier to grip Handle (3rd column above) which offers a greater, smooth action and low operating forces required to operate handle. The ample lever-to-door surface clearance option, are Compliant with Document M of the The Disability Discrimination Act (DDA), which states that the door handle needs to be able to be operated one handed without tightly grasping or any twist on the wrist.

Stainless steel options are available, for ultimate corrosion resistance which come with a 10 year guarantee. These are shown in the 1st column above. Standard Black and White Zinc / Aluminium hardware is also covered with a 10 year guarantee.

Appearance and finish on hardware is subject to change. Also please take into account that the product photography may slightly differ from the physical item in terms of color, due to lighting during photo shoot and the print reproduction process.

COLOUR OPTIONS

Colour is a powerful design tool.

It can make your PVC-U windows and doors seamlessly blend into the materials that surround them, delivering a subtle finish, which suggests that they have always been there.

It can drive bold statement designs which exude contemporary sophistication.

Or colour can sit anywhere in between – the choice is yours.

Our extensive colour and finish range from traditional woodgrain options, to contemporary greys and subtle creams and whites brings incredible design flexibility to low maintenance and energy efficient PVC-U windows and doors.



White / White
(White Base)



Cream / Cream
(Natural Base)



Rosewood / Rosewood
(Brown Base)



Rosewood / White PVC-U
(White Base)



Light Oak / Light Oak
(Tan Base)



Light Oak / White PVC-U
(White Base)



Anthracite Grey / Anthracite Grey
RAL 7016
(Grey Base)



Anthracite Grey / White PVC-U
(White Base)



Anthracite Grey Smooth / Anthracite Grey Smooth
(Grey Base)



Anthracite Grey Smooth / White PVC-U
(White Base)



Black Brown / Black Brown
(Brown Base)



Black Brown / White PVC-U
(White Base)



Pebble Grey / White
(White Base)



Sage Smooth / White
(White Base)



Claystone / White
(White Base)



Chartwell Green / White
BS14C35
(White Base)



Agate Grey / White
RAL 7038
(White Base)



Slate Grey / White
RAL 7015
(White Base)

COLOUR CODES/ COLOUR MATCH

The colour match data is given in good faith.

Please note that RAL colour codes are the nearest match only and, therefore, not exact matches with the foil.

A photograph of a house's exterior featuring a wooden-framed sliding patio door and a French door. The sliding door is on the left, and the French door is on the right. Both have large glass panels and wooden frames. The house has a wooden roof and a stone foundation. A small bird is visible in the sky through the glass. A grey text box is overlaid on the left side of the image.

SLIDING PATIO DOORS, FRENCH DOORS AND BI-FOLDING DOORS

Inline Sliding patio doors, French doors and Bi-folding doors are about summer and much more. From relaxing on a warm evening with a glass of wine with friends and family to watching the autumn leaves fall and the seasons change, each opens a window to the world outside.

Whether you decide on a slim sightline and space saving patio door, classic and timeless French Doors, or contemporary Bi-folding doors, your choice will make a perfect connection between your home and garden.

SLIDING PATIO DOORS

Capable of spanning wider distance, sliding-doors leave the view from your property almost uninterrupted and create a great year-round connection between indoor and outdoor spaces.

Manufactured in thermally efficient and low maintenance PVC-U profiles and featuring high security multi-point locking mechanisms, we supply the market leading PatioMaster Sliding Patio Door. Luxurious soft open and close technology, contemporary finishes and slim sightlines mean that our inline sliding door range provides a seamless connection from your home to garden.



PAS 24 Security Keep Rail Jamb & Keep Rail Head



- | | | |
|---|---|---|
| <ul style="list-style-type: none"> 1 Slim sightline multi-chamber energy efficient framing system 2 Smooth glide lightweight opening and closing mechanism tested to 150,000 cycles 3 White, wood-grain and colour options 4 High performance energy efficient A-Rated 28mm glazing as standard | <ul style="list-style-type: none"> 5 Two three or four pane options 6 Steel reinforcement 7 Six point locking system with anti-jacking technology for outstanding security as standard 8 Anti-lift brackets fitted as standard to all sliding sashes 9 Featuring anti-bump cylinders if SBD is selected | <ul style="list-style-type: none"> 10 Low track low threshold options for ease of access (internal use only) 11 Weather seals prevent draughts and leaks 12 Secured by Design Option available (in two pane option) |
|---|---|---|

SLIDING UPVC PATIO DOOR OPTIONS

Our Sliding Patio Doors offer incredible design flexibility, so finding a combination that's right for your individual home is simple.

- 1 Decide on a door combination, choosing either from two, three or four pane options
- 2 Take your pick from our range of colours and handles

GLASS

All of our sliding doors come with A Rated energy efficient glass which is toughened for your families safety.

HANDLES

Our high security handles are manufactured from robust materials to an attack resistant design. Available in White, Chrome, Gold, Satin and Black, they feature a special scratch resistant finish and are guaranteed for 10-years.

2 PANE OPTION



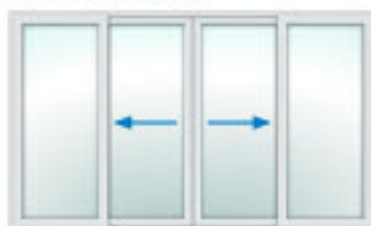
3 PANE OPTIONS



3 PANE OPTIONS



4 PANE OPTION



FRENCH DOORS

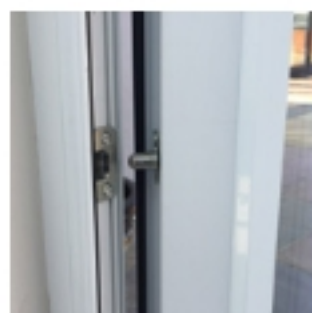


Optima[™]
BY PROFILE 22 SYSTEMS



Be sure it's secure

All our PVC-U doors are Kubu equipped as standard.



- 1 70mm slim sightline frame featuring sculptured and chamfered options plus extensive choice of colour and finish options.
- 2 Thermally efficient outer frame featuring six 'honeycomb' chambers and five chamber sash
- 3 Energy efficient recycled composite material or full steel reinforcement options
- 4 Deeper drainage channels carry water away quickly improving weather performance
- 5 8mm cover on weather seals and optional dog bolt security upgrade available on hinge side of door
- 6 Specially designed hardware fixing points and local thickening of frame walls to improve screw retention and improved security
- 7 High security internal glazing system
- 8 Energy efficient double glazed options featuring warm-edge spacers and low-e coatings.
- 9 High security multi-point locking system providing the ultimate burglar deterrent
- 10 Meets and exceeds all current building standards including PAS24 (when 3*)

Choose the perfect frame detail to match your new or existing windows and doors.



SCULPTURED DETAIL

Sculptured detailing offers a more traditional decorative finish replicating the curves found on traditional timber windows.



CHAMFERED DETAIL

Chamfered detailing features a more contemporary and simpler beveled edge, with straight sightlines.