



*the***ultimate**[®]
collection

why choose anything less

A photograph of a family of three lying on a light-colored couch. A woman with blonde hair is on the left, smiling at the camera. A young boy with dark hair is in the middle, also smiling. A baby is on the right, wearing a red floral dress and a blue striped shirt. A large green plant is visible in the background on the left.

Home

is where our story begins...

Welcome

This guide has been designed to help you fully understand the numerous benefits included with the Ultimate Collection of windows and doors.

The success of the Ultimate brand is largely down to the many features patented and unique to Ultimate that will enhance the appearance, security and energy efficiency of your home.

The homes that inspire us are the ones that reflect our personalities... we all have different lifestyles, favourite colours and tastes. It's things like personal objects collected over the years, eye-catching wallpaper or a thrifty find that makes the essence of our home and everyone unique.

So we would like to show you that choosing windows and doors can be inspiring and that it is possible to design something that is not just functional but becomes as unique to you as your home is.

We hope this fresh approach will inspire you long after your project has been completed.

Contents

Ultimate Windows	Pg 4
Window Energy Ratings	Pg 6
Window Style & Security	Pg 8
Ultimate Innovation	Pg 10
Ultimate Doors	Pg 12
Door Style & Security	Pg 14
Ultimate Precision	Pg 16
Ultimate Installations	Pg 18
Alternative Window Styles	Pg 20
Alternative Door Styles	Pg 22



ultimate[®] windows

In order to cater for the diverse mix of property styles and consumer preferences, windows and doors are now available in a wide variety of styles and finishes.

Using a combination of top openers, side openers and fixed panes, the range of styles is immense so you are sure to find a design to suit your home.

Similarly, there is no reason to compromise when replacing an existing bay window. Using our versatile bay posts, any combination of windows can be assembled to achieve the correct angles.



Bow bays can also be replaced in the same way or you may even wish to add character to your home by replacing an existing flat casement window with a bow bay.

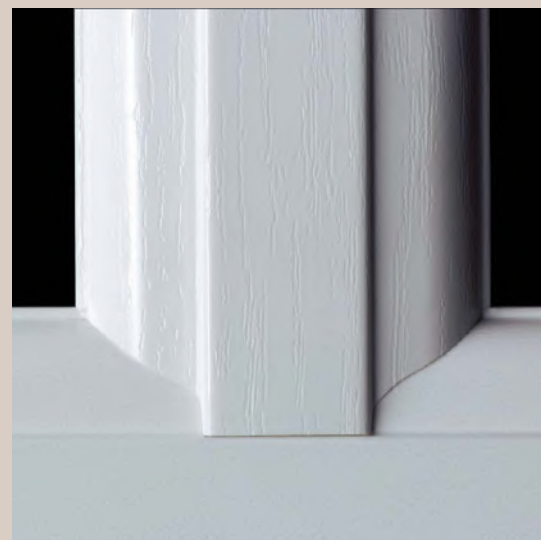
With regards to comfort and security, Ultimate windows will provide peace of mind using advanced multi-point locks and weather resistant seals ensuring there are no irritating, and costly draughts.

And using the right combination of frame and glass, your new windows will not only be draught proof, they will also be more energy efficient and even help to keep exterior noise out so you can get that all important peaceful nights sleep.

With the rapid advancement in PVC-u technology, you would often now be hard pressed to tell the difference between PVC-u products and their timber equivalents.

This provides you with a multitude of finish options. You may find for example that choosing a Rosewood or Oak woodgrain finish will help to blend more sympathetically with your home and garden.

Colours such as Black, Grey, and Cream are also increasingly being used to great effect as well as an array of bespoke coloured woodgrain colours. And remember, unlike their timber equivalents, they will not need painting, and they will be guaranteed for years to come.



Timber Style Windows

If your home is suited to something more traditional in design, our Heritage Collection may be the perfect solution for you.

Heritage Collection Windows are made using all of today's modern and robust materials, but manufactured to incorporate the best of yesterday's period features.

HERITAGE

COLLECTION

Window Energy Ratings

As part of the Governments overall initiative to reduce the levels of carbon dioxide emissions, they have put controls in place to reduce the energy lost from domestic dwellings.

Window heat loss can account for up to 30% of the total heat loss from your home. Therefore replacement windows are now energy rated which will help to reduce harmful CO2 emissions and help cut the cost of heating bills.

Ultimate window profiles along with the glass sealed unit specification are fed into a computerised simulation test to measure:-

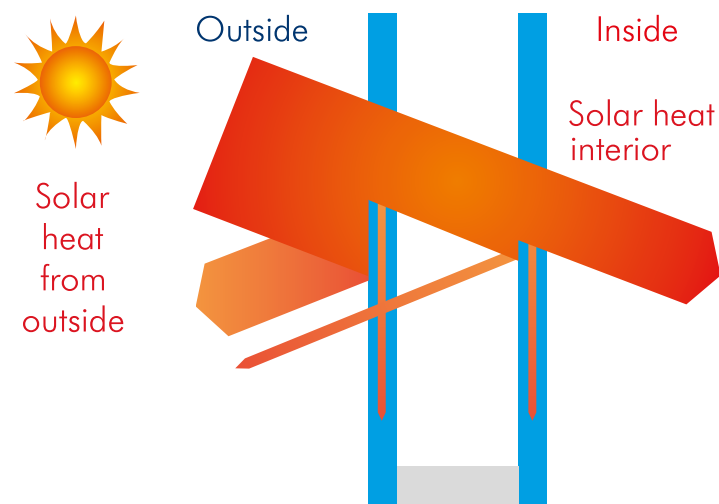
Solar heat gain

Thermal losses

Air losses

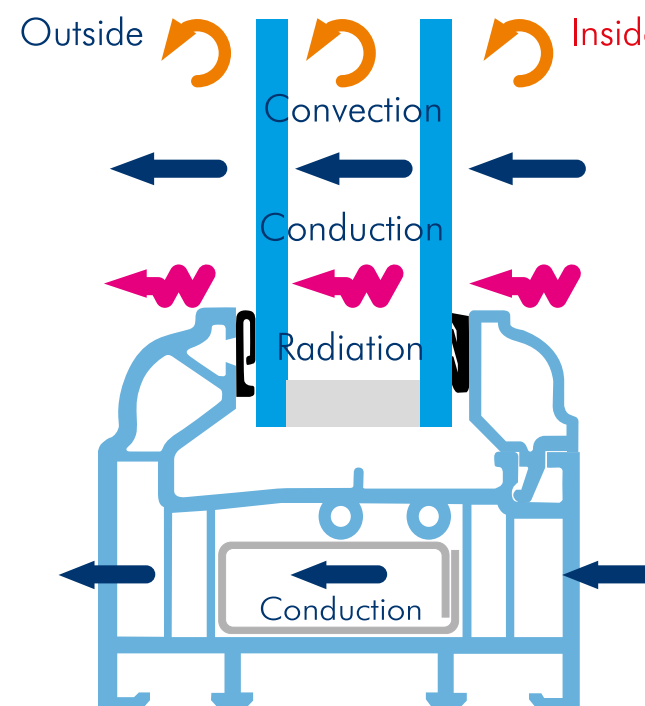
Based on the results, windows are then rated from A-G with A-Rating being the most thermally efficient.

Solar heat gain (Positive)



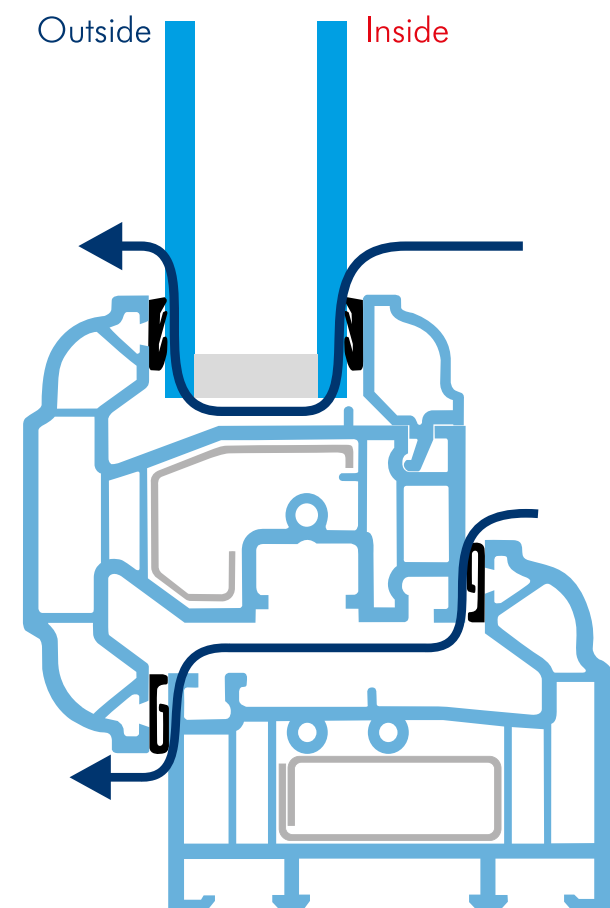
Solar heat is reflected, absorbed and transmitted

Thermal losses (Negative)



Thermal losses from convection, conduction and radiation

Air losses (Negative)



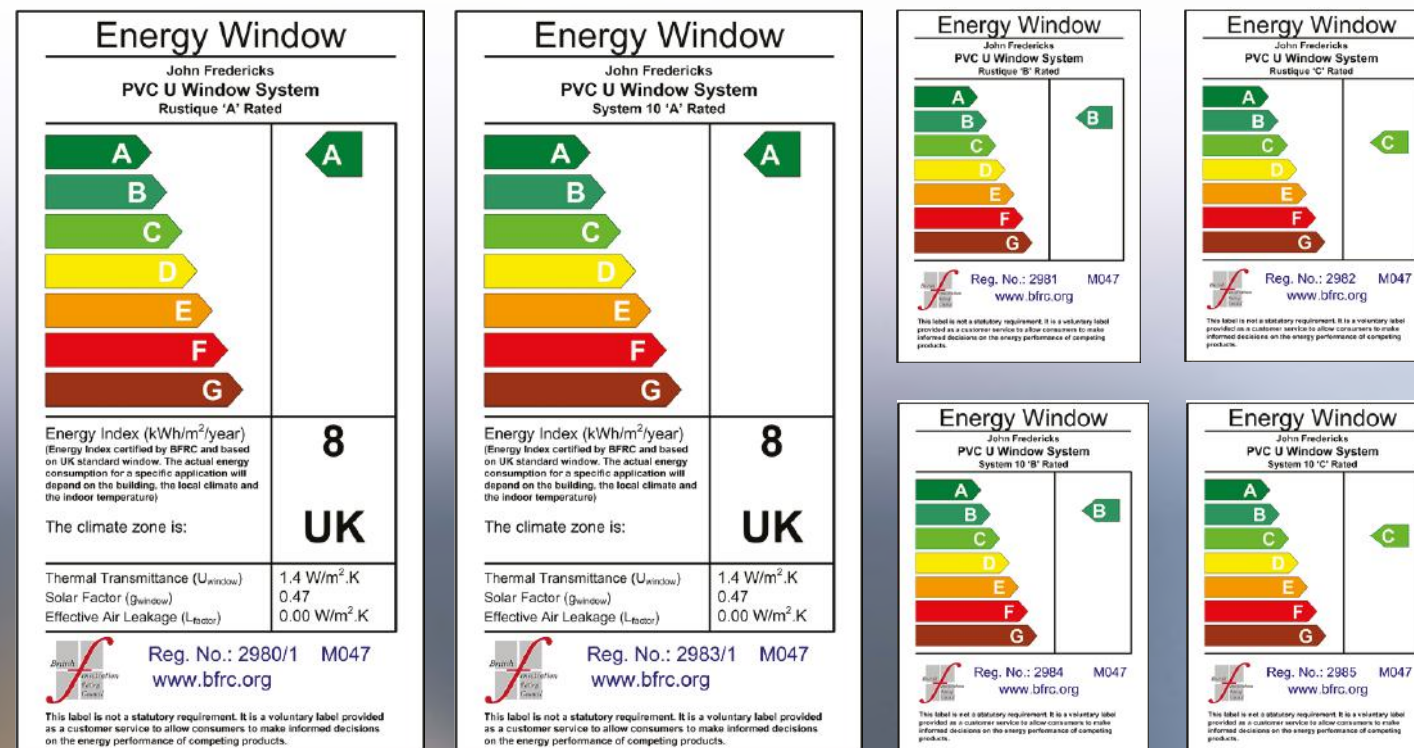
warm air leaks out through the window

Why choose Ultimate?

In order to meet the governments thermal performance targets and current Building Regulations, all replacement PVC-u windows are to achieve a U-value not exceeding 1.6 (W/m².K), therefore certified to Energy Rating 'C' or better.

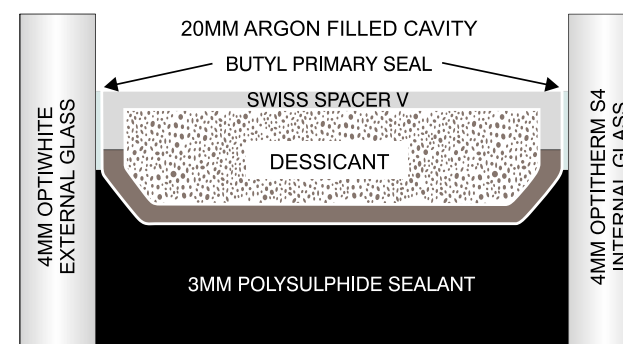
ultimate[®]
energy

Tested using a variety of glass configurations, Ultimate Windows achieve ratings in all three categories from 'C' through to 'A' Rating.



The red glow shown left, on the internal face of the entire window area symbolises the amount of heat Ultimate windows retain.

As a result, the inside of your property remains warmer and more energy efficient.



Typical A-Rated Sealed Unit

Reduce home heat loss and save money with Ultimate Energy Efficient Windows.

Style and Versatility

Options now extend far beyond the traditional white window. The Ultimate Collection offers you so much choice in terms of style and finish that you should never need to compromise.



You have a choice of bevelled or ovolo frames depending on your preference and the style of your property.

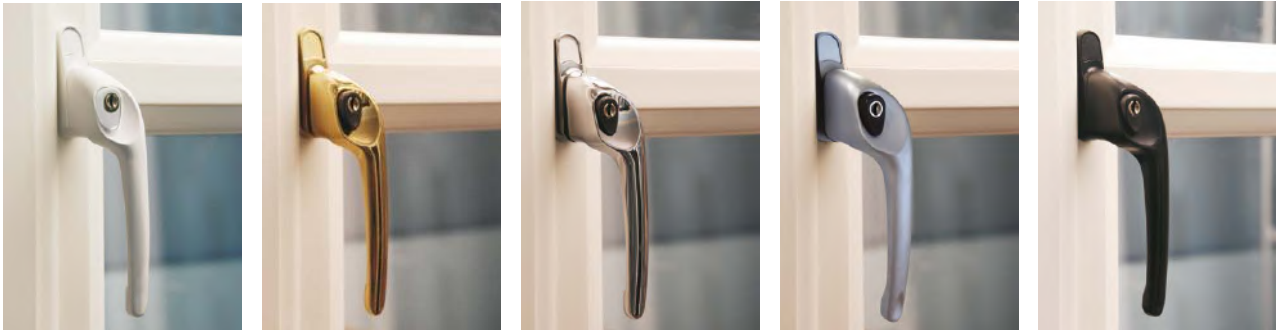


Bevelled



Ovolo

Choose from White, Gold, Chrome, Satin and Black locking handles



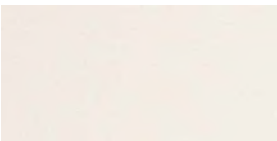
Choose from our range of frame finishes
(See Heritage Collection for additional finish options)



White Gloss



White Woodgrain



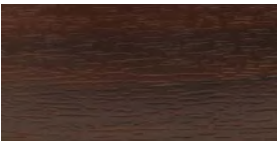
Cream Woodgrain



Irish Oak



Cherrywood



Rosewood



Light Grey Woodgrain



Dark Grey Woodgrain



Black Woodgrain

Colour options may vary depending on your chosen frame style (bevelled/ovolo). Please ask your Ultimate representative for further information. The above printed swatches are for your guidance only, please ask to see physical samples for a true representation.

ultimate[®] security

The Ultimate window has been refined and designed to protect you and your home and provide you with total reassurance and peace of mind.

The locking technology at the heart of every casement window incorporates 12 security features (subject to casement size).

A total of 12 locks, in all four directions

2 x steel shoot bolts

4 x central collared cams

2 x high security hinges with penny-slot easy-clean facility

4 x unique Ultimate anti-jemmy claws



Steel Shoot Bolts



Collared Cams



Interlocking Anti-jemmy Claws



Key Locking Handles

Made to Measure

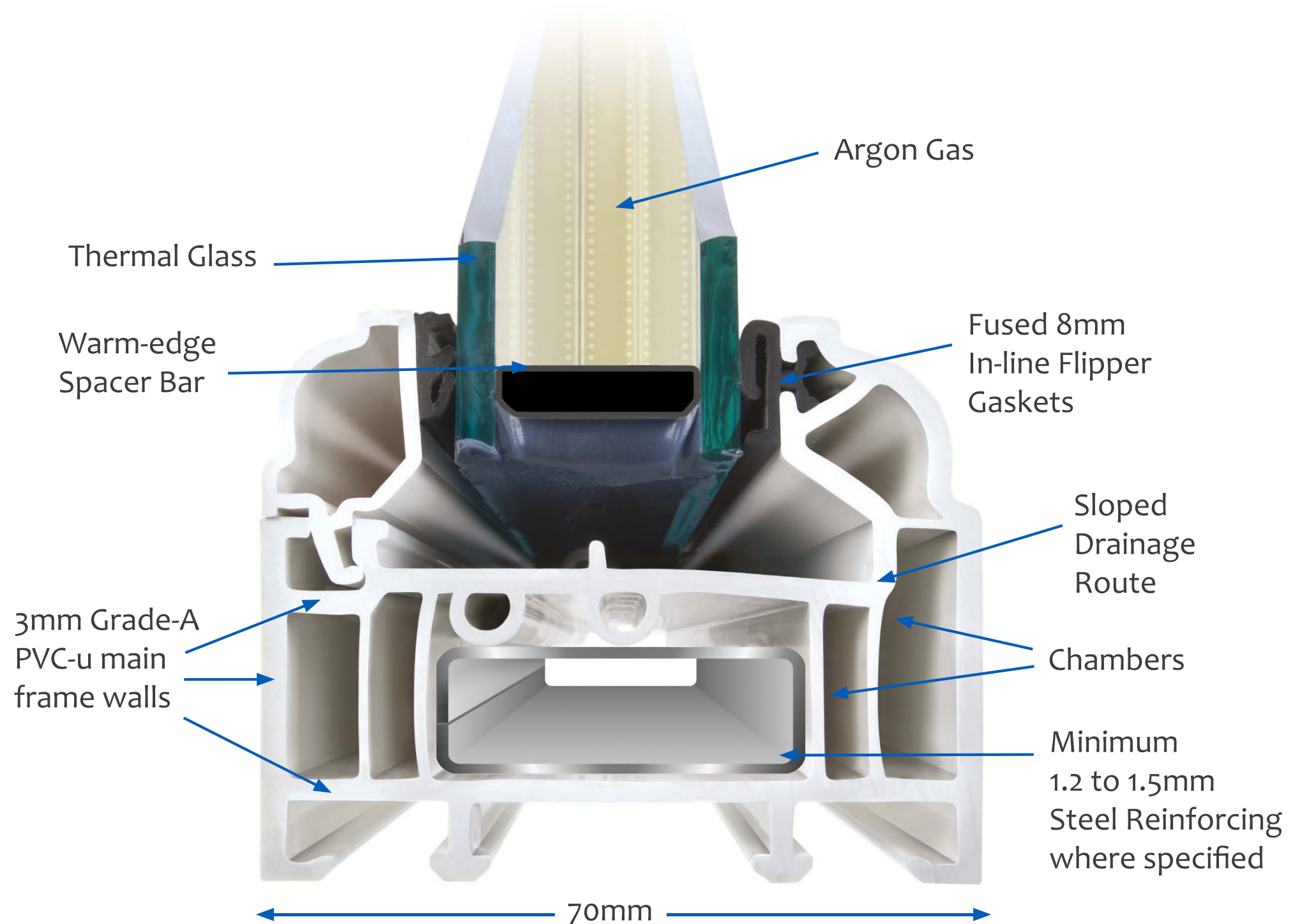
All Ultimate window and door profiles are produced 70mm in depth, often the same depth as conventional wooden windows.

Because of this, Ultimate frames are more likely to provide a direct replacement for the windows that have been removed and will refit up against existing plaster lines for a neater finish.

Advanced Compression

Internal and external gaskets are fused to all sections which will prevent the seals shrinking over time.

A 9mm 'flipper' seal compresses against the glass sealed unit to ensure ultimate weather protection. The seal remains in-line with the profiles to enhance the finished appearance.



Chambered Profile

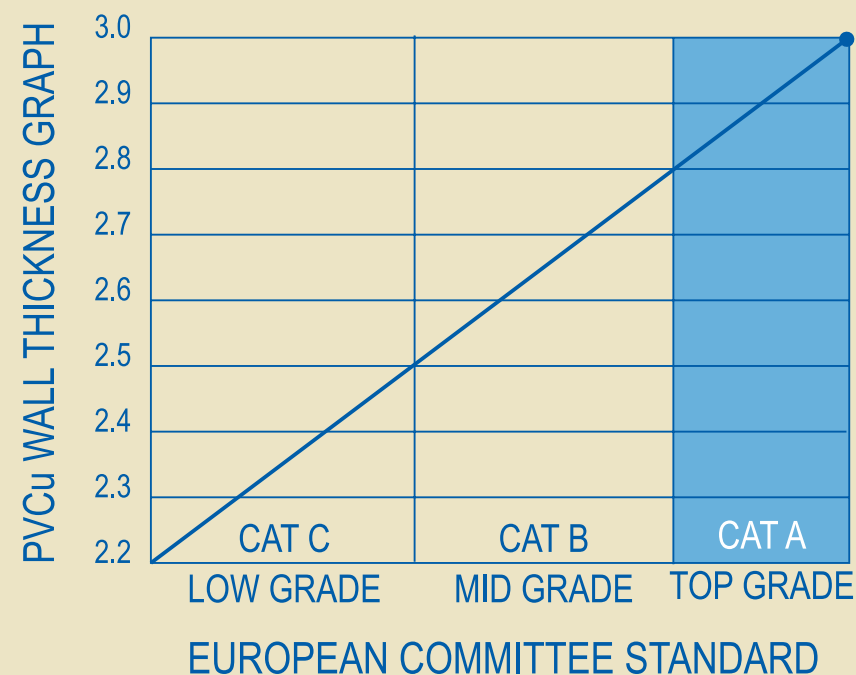
The PVC-u profiles have internal chambers that will not only help improve thermal performance but can also include metal reinforcing as and when specified to add rigidity and strength to the frame.

Built to Last

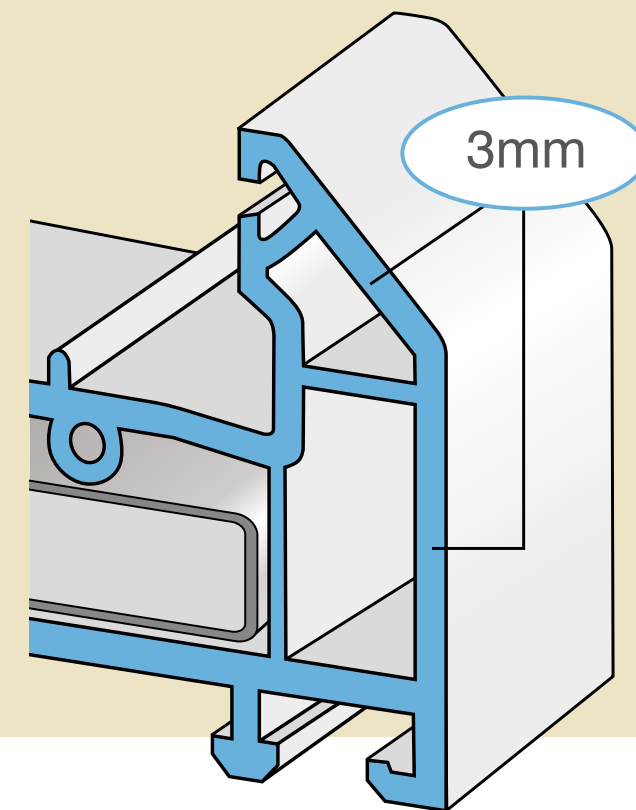
Manufactured from 3mm Grade-A PVC-u, Ultimate profiles guarantee a consistent, superb surface finish. An internally sloped surface directs any water penetration away from the window via a built-in drainage route.

Top Grade PVC-u

European Committee standards state that Grade A PVC-U must have an outside wall thickness of at least 2.8mm.



All Ultimate main frame walls are 3mm thick which offers incredible frame strength and rigidity that will last for years.



Correct Glazing

In order to avoid the breakdown of glazed units it is essential that your unit remains in dry conditions at all times.

Ultimate windows utilise a specially designed glazing packer (1) that is sprung in place for the glazed unit (2) to sit on and therefore create a bridge between the sealed unit and any water or dampness. This helps to prevent condensation forming inside your units.



Ali-lock Georgian Bar

You may decide to have decorative Georgian Bars applied to your windows.

The unique Ali-lock Georgian Bar includes scribed PVC-u clip-on bars connected to full length aluminium fixing strips. This innovative system ensures the Georgian grille does not shrink, warp or detach, regardless of weather conditions.



Smart Safety Solutions

For your safety, easy clean/fire escape hinges are fitted as standard to all side-opening windows. These will open to a full 90° to give you an alternative means of fire escape (dependent on window size) and can slide towards the centre to allow easy external cleaning.

Turn the slot-bolts located on the top and bottom hinges 90° and simply slide the window across for easy external cleaning. The window will automatically realign upon closing.

The unique dual purpose key can be used to lock your window handle and to operate the hinge slot-bolts as shown right.



ultimate[®] doors

Choosing the right entrance door for your home is essential, your front door creates the first impression and the all important kerb appeal.

Allow yourself time to decide what is right for your home, whether it be traditional or contemporary you are sure to find a style that suits. Ultimate doors give you endless style and colour choices, so now your door can really reflect your personality.

Using a combination of coloured woodgrain PVC-u with elegant door furniture, it's now possible to emulate most timber style doors. Your choice of door and glazing design can help define the overall style of your home and add light to an otherwise darkened hallway.



French Doors

All Ultimate French doors are fitted with matching handles to both doors and include the same multi-point lock as fitted to single doors with additional shoot bolts to the slave door.



Traditional, Classic or Contemporary?

With so many colour, furniture and glazing options available you will have everything you need to create your desired effect.





Whether you are considering a front or back door, you should feel confident in the security. There have probably been more security developments on doors than most other products.

Depending on the available opening height, your door can include as many as 10 locking points all around the door, easily surpassing regulations set by British Standards. Even the hinges have been developed with security in mind providing a further 3 security features.

So after you have selected your preferred style and decided on the practicalities such as open in or out, hinged left or right? You can then sit back and feel safe and secure in your home.



Just a small selection of the numerous door styles available



ultimate[®] Timber Style Doors

For the ultimate, truly unique entrance door, consider our superb engineered timber effect range of doors.

Designed to emulate all that you would expect from a timber door including scribed joints and a range of traditional and contemporary designs.

These doors have an authentic woodgrain effect and can be painted in the colour of your choice.

ultimate[®] door security



Because of habit, it is estimated that 70% of homeowners do not regularly lift their door handle to engage the multi-point lock fitted to most modern PVC-u doors. Leaving doors simply on the latch can increase the possibility of door misalignment over time that may cause the door to bow.

Ultimate Door Security

All Ultimate doors are fitted with the unique **10 point Autolock**. Using our exclusive Autolock technology, all locking points are automatically activated when the door is closed, without the need to lift the handle. Therefore, with all locking points engaged at all times you can be sure your door will maintain its original alignment all year round. Your door is then secured when required at the turn of a key.

Anti-manipulation Cylinder

To prevent cylinder manipulation, Ultimate entrance doors are fitted with a **3 star high security cylinder** complete with British Standards Kitemark, meeting all of today's security requirements. And for your convenience, all Ultimate doors are supplied with 5 keys as standard.



- Anti-Bump
- Anti-Snap
- Ant-Drill
- Anti-Pick

EXCLUSIVE DOOR SECURITY



Autolock 10 Point Lock

2 x Steel Hooks combined with
2 x 12mm Steel Bolts (see above)
4 x i.S. Interactive Locking Cams
1 x 20mm Central Dead Lock
1 x 12mm Locking Compression Latch



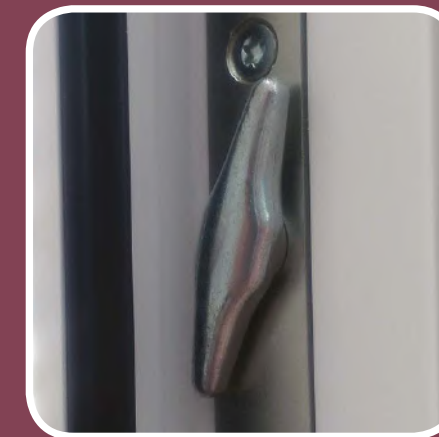
Interactive Locking Cams

Ultimate doors include 4 interactive locking cams that feature a collared rim to ensure further security and a tight seal when the door is closed.



Dead Lock and Latch

In addition to the high security 20mm central dead lock, the locking system also incorporates a silent latch function which ensures the door is easy to close and provides latch compression.



Autolock Trigger Switch

On closing the door, this unique and robust Autolock trigger switch automatically activates all 10 locking points to ensure the door maintains correct alignment.



Hinges

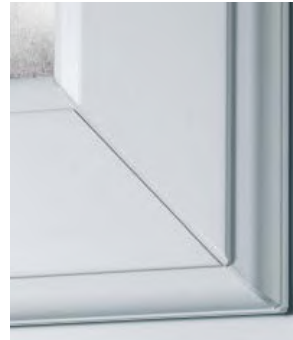
3 high security, anti-lift hinges. Colour coordinated to profile.

Autolock

As with Ultimate Windows, you have the choice of bevelled or ovolo frames.



Bevelled



Ovolo

Choose from white, gold, chrome and black furniture



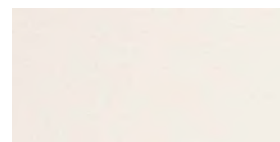
Choose from a range of standard door finishes or have your new door painted in the colour of your choice.



White Gloss



White Woodgrain



Cream Woodgrain



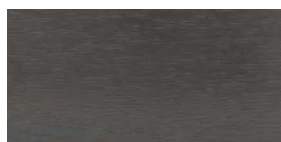
Irish Oak



Cherrywood



Rosewood



Light Grey Woodgrain

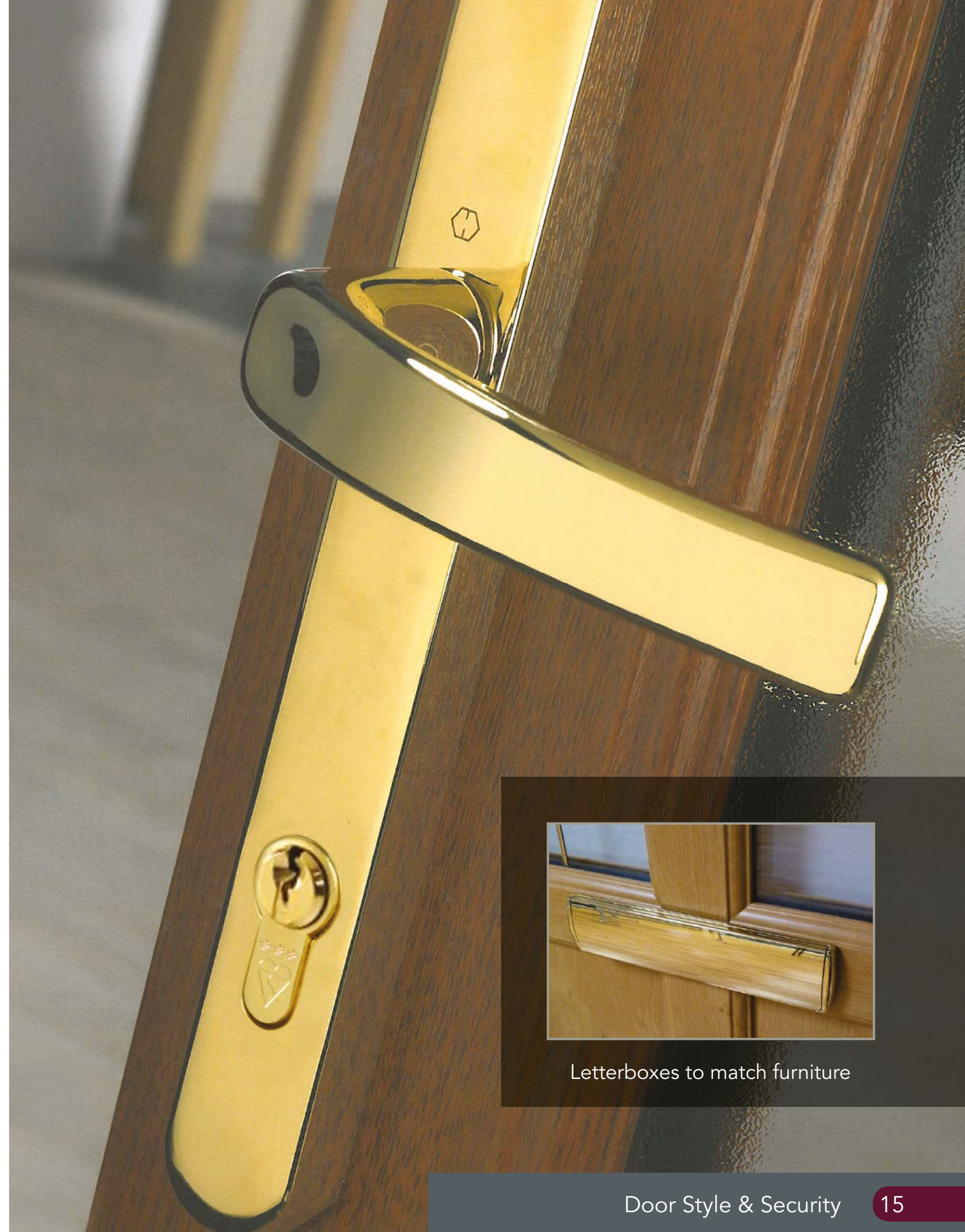


Dark Grey Woodgrain



Black Woodgrain

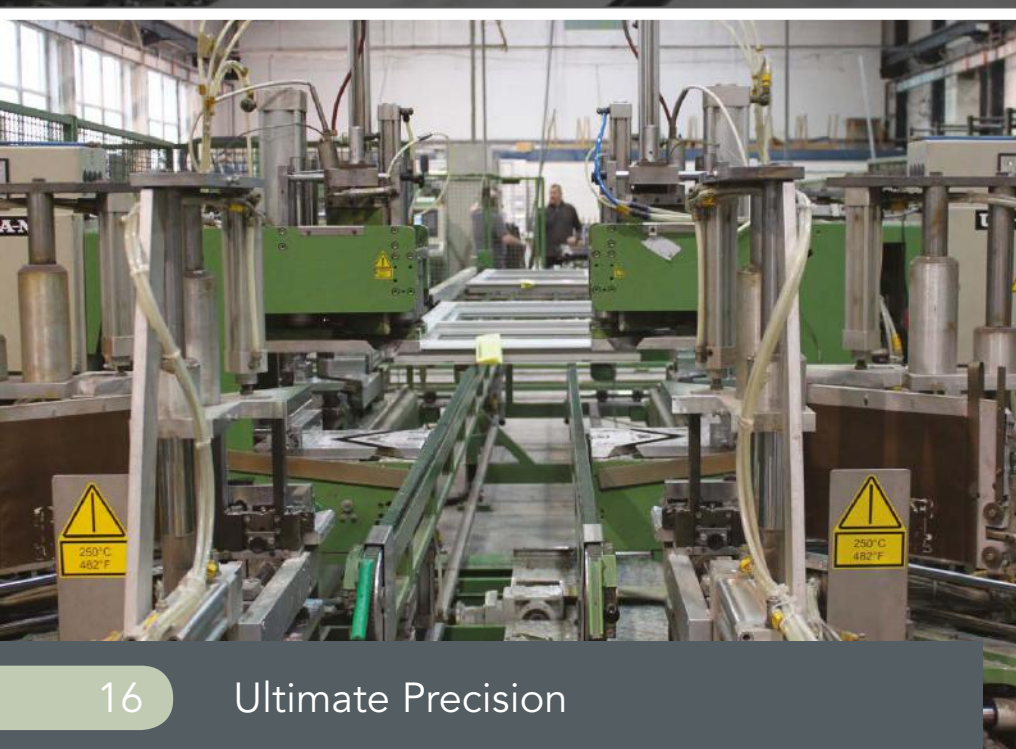
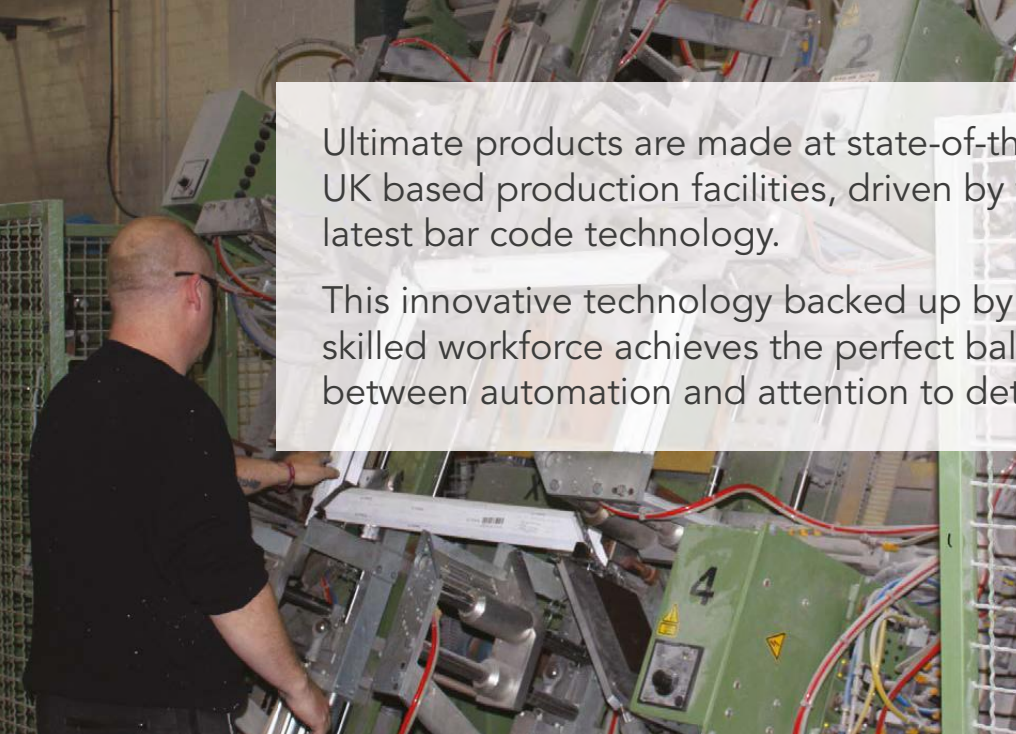
Colour options may vary depending on your chosen frame style (bevelled/ovolo). Please ask your Ultimate representative for further information. The above printed swatches are for your guidance only, please ask to see physical samples for a true representation.



Letterboxes to match furniture

Ultimate products are made at state-of-the-art UK based production facilities, driven by the very latest bar code technology.

This innovative technology backed up by a highly skilled workforce achieves the perfect balance between automation and attention to detail.



Ultimate products are put through regular stringent tests to ensure a consistent high level of quality, but don't just take our word for it...

The British Standards Kitemark is one of the most well known and respected product certification marks in the world and is your reassurance that BSI has checked that your Ultimate PVC-u windows and doors comply with the latest British Standard.

Environmental Management System - ISO 14001:2004

Ultimate were one of the first PVC-u window and door manufacturers to achieve certification of this most prestigious standard relating to the managing and control of its environmental policies. Issues such as wastage, recycling and energy efficiency are regularly monitored and assessed to maintain maximum environmental working practices.

Quality Assurance ISO 9001:2008

This certification was awarded for providing a high level of Quality Control systems throughout manufacture, administration, health & safety, and products including that of our suppliers such as profile and hardware. We are required to give BSI unrestricted access to our offices and factories and allow random samples to be selected for testing on a regular basis.



The Ultimate Collection is a trade mark brand, manufactured by the A&B Glass Group, incorporating John Fredericks Plastics.



BS 7412
KM 36014



BS 7412/PAS24
KM 36015



BS 7412/PAS24
KM 590739



BS EN1279 PT2
KM 21528
A&B Glass
KM 37462
AG Glass



BS7412. PVC-U Windows

A standard for PVC-u windows whereby a series of mechanical and manual tests are carried out to ensure windows against weather performance and durability.

Enhanced Window Security (formerly BS7950)

A standard for PVC-u windows whereby a series of mechanical and manual tests are carried out to ensure windows against an accepted level of burglar resistance.

Enhanced Door Security

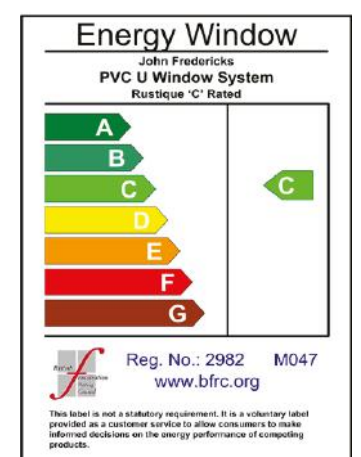
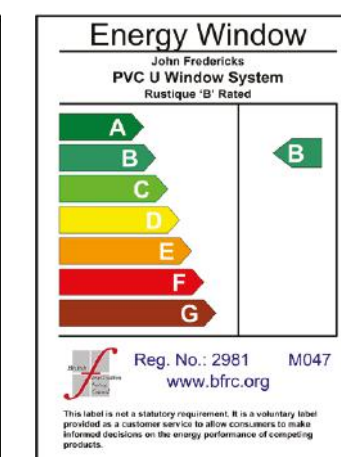
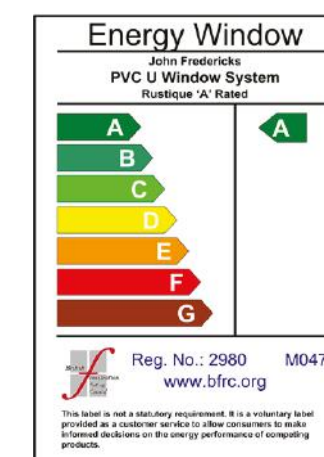
A standard for PVC-u doors whereby a series of mechanical and manual tests are carried out to ensure doors against an accepted level of burglar resistance.

BS EN1279 PT2. Sealed Units

A thorough and daily test routine for double glazed sealed units is carried out to ensure certification. Tests prove that sealed units adhere to correct dew point, sealant correctness and desiccant moisture absorbency.

BFRC. Window Energy Ratings

Windows are assessed using specific glazing and given a rating from A-G for energy efficiency.



ultimate[®] installations

Naturally, you want to be assured that the quality of installation will match the quality of the products.

Companies that are registered with FENSA (or other equivalent self-assessment schemes), work to an agreed code of practice that includes a full understanding of building regulations and all other government requirements.

Prior to your installation, a full and accurate survey will be carried out. This survey ensures that your favoured style of windows or doors will blend sympathetically with your home.



So What is FENSA?

FENSA stands for the Fenestration Self-Assessment Scheme. It was set up at the request of the Office of the Deputy Prime Minister to ensure that anyone who installs replacement windows or doors complies with current building regulations, thermal performance requirements and safety standards.

When having windows and doors replaced, homeowners must ensure that they get a certificate of compliance. This will be organised upon completion by your FENSA-registered installer. Upon selling your property your solicitor will ask for this certificate as proof of compliance.

Is it a problem if my installer isn't FENSA registered?

Not necessarily as other equivalent industry governing bodies are now in operation and your installer may have chosen to use an alternative Self-Assessment Scheme to FENSA. Rest assured that as an Ultimate Approved Installer, companies will be monitored, whether by FENSA, BSI, CERTASS or another equivalent assessment scheme.

Ultimate Approved Installers also work to a code of best practice set by the manufacturers of Ultimate in order to achieve the highest level of consistent workmanship and service.

The areas outlined in our installation code of best practice include:

Professionalism

Conduct & Work Ethics

Health & Safety

Communication

ultimate
satisfaction

Alternative styles

Our homes continue to change in both style and dimension, with many people choosing to extend or improve on existing properties.

As we have shown, the range and number of options associated with casement windows and entrance doors is now vast, yet still many homes require an alternative solution whether it be for style or functionality.

There are now many alternative styles available, suited to period and contemporary properties.

These products, perhaps in combination with the more traditional window and door styles can really enhance your home and the usable space within it.



Vertical Sliding Sash

Choosing the appropriate window style such as a Vertical Sliding Sash Window can really help to complete the character of a room.

The modern PVC-u vertical sliding window has been developed as an authentic replacement for the traditional wooden sash window.

Unlike its predecessor, the modern PVC-u equivalent reduces maintenance to a minimum and precisely tensioned balances ensure smooth operation.

Not only functional and space saving with the windows opening vertically but also elegant in design with numerous period features.

In addition to the vertical movement, both sashes are also able to tilt inwards enabling the outside surface to be cleaned.





Tilt & Turn

In some instances, an alternative solution to the casement style window is required.

Windows are sometimes positioned above a worktop where you have to reach across to open and close the window. Or perhaps there is restricted space outside where it may not be ideal to have a window opening outwards.

In these situations you may want to consider openers such as inward opening Tilt/Turn windows. These are designed to tilt inwards for ventilation then open in fully for easy clean access.

This inward opening style could also be a suitable alternative for upper level installations, perhaps above a conservatory or similar, offering convenience of cleaning and general maintenance.



Fully Reversible

With a similar appearance to the Tilt and Turn style, the outward opening Fully Reversible window utilises clever engineering to enable the sash to turn a complete 180 degrees.

Simply by releasing the centre handle, the window sash can be rotated externally 180 degrees without interference with any internal furnishings.

This provides easy access for cleaning as well as a possible means of fire escape.

These particular window styles can also provide a good level of light given their large glass surface area.



French Doors

French Doors, often with full height glazing can provide additional light to a room.

They are used both internally as a partition from one room to another or externally to provide elegant access to the garden.

These door styles will also provide a practical wider opening, particularly useful when moving larger items to and from the property. When the opening is too narrow for a Bi-fold or Patio Door, French Doors can often be the perfect solution.

All Ultimate French Doors include the same multi-point lock that is fitted to single doors with additional shoot-bolts fitted to the slave door.



Sliding Patio Doors

Modern day comfortable living comes in a variety of forms. We all have our own individual taste and lifestyle and therefore have individual needs and preferences when it comes to how we utilise the space in our home.

Some enjoy ultra modern, open plan living where light and space is key. Large glass surface areas such as Sliding Patio Doors will help to bring in more light and provide that contemporary spacious feel.

They are particularly suited to rooms restricted in size or space with the doors sliding horizontally.

Security is covered with opposing hooks locks, internal/external locking, aluminium inter-lock section and anti-lift device.





Bi-fold Doors

Bi-fold doors are designed to provide the ultimate view. These stunning doors instantly create a contemporary look and feel.

With sleek slimline profiles and sympathetically designed handles the doors simply concertina together so you are able to enjoy the maximum opening and invite the outside in.

Modern Bi-folds are designed to withstand the rigours of the UK climate allowing you to sit back and enjoy your garden in comfort all year round.

Bi-folds are available in up to 7 door leafs, over 20 different opening configurations and a range of frame and furniture colour options.



Stable Doors

Perfect for the country cottage kitchen, PVC-u Stable Doors will add character and functionality to a property.

A sophisticated mechanism allows you to open the top sash independently or both sashes together in the traditional manner.

Security is not compromised as a multi-point lock is featured on both sashes and the door can be locked top and bottom.

Stable Doors are available in a variety of colour options and glazing can be selected to suit your property.

As with traditional entrance doors, Georgian Bars can be added to complete the cottage style appearance.



www.ultimatewindowsanddoors.co.uk