



**WINDOWS  
DOORS AND  
CONSERVATORIES**  
your beautiful home

# Welcome to your lighter, brighter home

When looking for new windows, doors or a conservatory for your home, you need a supplier you can trust. Our years of industry experience and impressive credentials mean that you can completely rely on us at every stage of the process, from selection to installation.

We offer the very latest energy efficient and high security products, delivering advanced performance for your home. All products are manufactured to achieve recognised industry regulations for your comfort, security and peace of mind.

From the moment you contact us, we will provide you with the highest quality service, helping you to choose the perfect product to complement your home and tailoring it precisely to your needs. We're professional through and through, but we're also friendly and approachable. If there's anything you want to know, at any time, just ask.

## Content

The best performing windows  
page 04

Using less energy  
page 05

Home security you  
can rely on  
page 06

Security upgrades  
page 07

Stylish windows  
page 08

Casement windows  
page 10

Tilt and turn windows  
page 12

Flush casement windows  
page 14

Elegant doors  
page 16

Residential doors  
page 18

Composite doors  
page 20

French doors  
page 22

Sliding doors  
page 24

Beautiful conservatories  
page 26

A brighter way to extend  
your home  
page 28

The changing face  
of conservatories  
Page 31

Classic timeless  
and stylish  
page 32

Classic plus exclusive  
refinement  
page 35

Loggia Italian charm  
page 36

Ultrarroof 380 lightweight  
tiled roofing system  
page 39

Ultrasky lantern  
roof light  
page 40

Finishing touches  
page 42



# Outstanding window performance

We all want the best when we install new glazing. That's why we choose the most advanced design and the highest quality components for our windows, doors and conservatories. For a comfortable, secure and energy-efficient home, it's the only way.

## About Optima

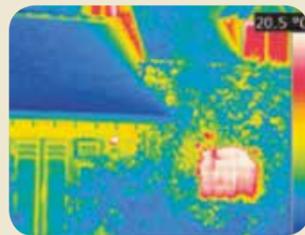
Our windows and doors are made with what's probably the most advanced PVC-U system available. It's called Optima. It's British made, robust, exceptionally insulating and weatherproof, needs hardly any maintenance and it's engineered to last.

## Reduce energy bills

The difference in insulation between a single pane of glass and double glazing can be dramatic. Even if you already have double glazing in your home, an upgrade to the latest insulation technologies can make a huge difference, allowing you to reduce the energy you use for heating – good news for your pocket and the planet.

The exact amounts you'll save depend on multiple factors, including the type of property you live in, but the independent Energy Saving Trust has simple calculators you can use. In some cases, our customers have reduced their bills by 20% and with today's fuel costs, that's a considerable saving. [www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)

Using thermal imaging cameras on a property with both original and new windows shows how effective energy-efficient glazing can be. The original windows show up heat loss with bright red or pink colours. The property's extension on the left has new double glazing installed.



## Reduce condensation

Britain has a damp climate and condensation is often a problem. But with the right ventilation and advanced windows, condensation can be reduced by up to 80%. Because we use components that reduce heat loss at the window edges, the glass stays warmer. It's simple but effective.

## Reduce noise

The best double glazing doesn't just keep your home warmer. It also reduces the impact of external noise, so you can enjoy more peace and quiet.

## Caring for our beautiful world

Man-made emissions are contributing to climate change. Every time you switch on the boiler or turn up the thermostat, it's having an impact. We'd like to help you reduce that impact, and importantly, stay warm and cosy while you're doing it.

Windows are rated for their energy efficiency using a banding system – you'll have seen something similar on domestic appliances. Called a Window Energy Rating (or WER), the bands run from A through to G. Although the system was introduced only a few years ago, window technology keeps improving, and now some windows achieve A+ or even A++ performance!

All you need to do is tell us what Window Energy Rating you want, and we'll do the rest. If you need our advice on what's best for your home, we'll be happy to help.

## Make more of ambient heat

Our windows use a special type of glass known as low-emissivity (or low-E) glass. The glass has a coating. You won't see it, but it traps warmth from the sun in your home and can result in significant fuel savings compared to a single-glazed dwelling.

## Switch from:

Single-glazed timber windows to our energy-rated windows and **save £232.01 (01.57 tonnes CO<sub>2</sub>)\***

Single-glazed aluminium windows to our energy-rated windows and **save £497.12 (3.35 tonnes CO<sub>2</sub>)\***

\* Figures obtained from The Glass and Glazing Federation calculator.

# Relax - home security you can trust

## Windows

To feel at ease at home, you have to feel safe. That's why when we make windows, we make them secure. We use SAC shootbolt locking systems, specially designed to improve security and performance. The tight seal guarantees superb weather protection and by taking pressure away from the hinges, the system ensures a longer life for your windows.

### Features and benefits

- 8-Point locking with corner drive design on all windows
- Unique, full-depth Eurogroove maximises performance
- 400% more shootbolt/keep contact area than traditional shootbolts
- Supaglide gearbox action tested to 100,000 cycles (equivalent to 30 years heavy use)
- Rigorously tested to BS7950 and beyond to achieve Secured by Design status.



## Doors

Multipoint locking technology keeps on getting better, and we've chosen the best of today's intelligent design ideas. Based upon a state-of-the-art gearbox, this is a lock mechanism packed with features for complete peace of mind.

### Features and benefits

- Adaptive compression rollers
- Auto-locking centre hook
- Duplex hook locking with opposing double hooks for maximum security
- Hold-back facility
- Dual follower gearbox
- Smooth operation, unsprung followers & slider technology.

Don't worry about the locksmith's buzzwords – phrases like unsprung followers and compression rollers – all you need to know is that this is a highly secure system which works great on both front and rear entrance doors.



# Extra reassurance

Our windows and doors have high-security features and hardware fitted as standard, but we understand that sometimes you want a little extra reassurance. All our windows and doors are bespoke, so we can easily add the extra measures that will make you feel really safe and sound.

## Secured by Design

Secured by Design is a UK Police initiative. It focuses on crime prevention, offering advice to householders on protecting their homes from opportunistic attacks and unwanted visitors. Products that have Secured by Design accreditation have undergone rigorous and independent testing, but for a whole window or door to meet the standard, every component must make the grade, including the glass, the PVC-U, the reinforcing and the hardware. If you'd like windows or doors with the Secured by Design accreditation, just let us know.

## High security SAC bolts

The S3™ bolt uses ASL (Anti-Slip & Lock) technology to prevent a potential intruder levering the window frame out of its channel. The more force the intruder tries to apply, the more the bolt works to prevent the attempted break-in.



## Ultion door barrels

Lock snapping occurs when the lock is broken at its weakest point, usually the mid-point. There are several anti-snap locks on the market, but we think the Ultion version is the very best. With Ultion, hardened steel rods, which run the full length of the barrel, make locks that are almost impossible to snap. We're so confident in these locks that if an intruder snaps Ultion and breaks into your home, we'll pay you £1,000.



## Hinge bolts

If you have outwards opening doors with exposed hinges, those hinges can be a weak spot. Hinge bolts – also known as dog bolts – can offer extra protection. Made from hardened steel, they resist attack and help to prevent doors being forced off their hinges.



# Stylish windows





## Casement Windows

Imagine sitting by a window. It's pouring with rain and the wind is howling, but you can't feel it. All you can feel is the comfort, the protection and the feeling of security.

Imagine windows where every handle is positioned so it's easy to reach, and every lock feels solid and secure. Imagine windows that you never need to paint and that open easily all year round. Imagine windows with glazing technologies that insulate your home and reduce your heating bills. Now imagine all that in a classic, outwards-opening casement window, with the configuration of fixed and opening panes, which suits the size of your rooms and the layout of your home.

Casements are so versatile – it's no surprise they're popular. And with Optima casements their attractive sculptured shape and slim profile make them better than ever. Your home is filled with natural light, and even after dark, you've got the reassurance of a highly-secure system and advanced locking. Optima can be used to make all types of casement: everything from a single opener to an imposing bay, or even a charming, French-style window with side-hung, symmetrical opening panes.





## Tilt and Turn

These ingenious windows with their clean, simple lines are perfect for modern homes, but their real beauty is in the way they work. Controlled by a single handle, these windows can be swung open into your room.

It makes cleaning the exterior surfaces easy and safe, even in a high-rise apartment. And if you have access issues, or your exterior space means that outwards opening windows are impractical, the tilt-inwards facility of these windows is the ideal answer. Optima Tilt and Turn windows are highly insulated and protect your home from the elements, year after year, with practically no maintenance. And like everything else in the Optima range, the finished styling is up to you.



### Tilt

With the first turn of the handle, the window tilts inwards, just the right amount for safe and secure ventilation.

### Turn

Turn the handle again and the hinge position changes. The window can swing right into your room, opening up all sorts of possibilities.

### Secure

The simple style is practical and easy to live with, but it hides advanced gearing systems and all-around multipoint locking.

# Flush Casement windows

Let's get the jargon out of the way. A casement is simply a window held on hinges in a frame.

In the UK where external shutters are rare, the vast majority of casements open outwards. Within casements, there are various styles. A flush casement is simply one where the opening window sits flush in its frame, rather than standing proud.



It's a design that is elegant in its simplicity and is found in all sorts of traditional properties, from all periods. What's more, the lines are understated which makes them ideal for more contemporary properties which rely on minimalist styling. Optima Heritage Flush Casements replicate the timber original's appearance to perfection but go well beyond in terms of thermal performance and weathering capability. Now it's possible to have the look you want and the comfort you need. Now it's possible to combine charm and security, character and ease of maintenance. It's old style with new standards.



# Elegant doors





## Residential doors

Residential PVC-U doors offer a fantastic combination of superb thermal and acoustic insulation, durability, security and weather protection. Even though they feel lightweight, these doors are tough.

They cope with all the rough and tumble of a family home, need next to no maintenance, and year after year they'll keep out the cold, the rain and the wind. Steel-reinforced frames and multi-point locks provide all the security you need, but discreetly, because these doors are attractive too. They make a home with a warm welcome and lasting kerb appeal.



Equally suitable for front and rear entrance doors, there's a wide range of styles to suit any age or type of home. Glazed and unglazed options, different finishes, panel designs, and smart, high-quality door furniture allow you to express your individuality. For wider entrances, glazed or matching side panels can provide a beautiful, practical installation that looks great outdoors and indoors. And because we believe in harmony, the frames match our sculptured windows so that you can have a consistent look over the whole of your property.

## Composite doors

If you love the appearance of a timber door but appreciate the benefits of modern materials, then a composite door is a must for your home.

A rigid foam core is sealed inside a moulded skin of durable and impermeable glass-reinforced plastic. The result: a door that's as tough as old boots but which has all the elegance and style that your home deserves.

Composites are perfect for the British weather. When it rains for weeks, they won't swell and stick. When it's dry, they won't shrink and let draughts whistle around your hallway. They are built with insulating materials and, set in Optima's sculptured frames, can provide outstanding thermal performance and protect you from the disturbance of external noise.

There's an almost endless variety of styles – something to suit every home, whether it's traditional or modern, large or small. Choose from solid colours or attractive wood-effect finishes, all of which are permanently imprinted with the grain and texture of natural wood. Equally suitable for front or rear entrances, composite doors can make coming home a joy.

### Tough

Built to last with the best high-tech materials, composite doors are more than able to cope with the knocks, bangs and buffeting of daily use. The GRP coating is thick, through-coloured, and won't scratch or fade. Even under constant use, even in a busy home, your door stays looking as good as new.

### Secure

Your security matters. That's why our composite doors are set into steel-reinforced frames which can be made to Secured by Design specifications. That's why we fit multi-point locking systems from the most advanced manufacturers, it's why we choose the best door slabs and why all glazed panels use toughened glass.

### Character

Add character to your home. Make a statement about who you are. Be bold with colour or minimalist contemporary design. Choose period detail, classic colours or striking door furniture. Choose light wood effects or warm, rich oak. There's no limit to what you can do with a composite door.





## French doors

For centuries, French doors have been making buildings more elegant and stylish.



Extra daylight indoors, better views of the world outside and the simple convenience of stepping outdoors without leaving the room you're in – it's no wonder they're desirable. And that's without considering the extra benefits of modern, PVC-U French doors.

The timeless design, graceful proportions and elegance remain – but now there are virtually maintenance-free materials, highly-secure locking systems and advanced glass that's not only toughened for your safety but also able to help insulate your home. Optima

profiles with their gently-sculptured shape and slim structure are ideal for French doors, allowing the best possible view of your garden. You can choose inwards or outwards opening styles depending on your space and all the finishing touches required to create French doors that work with your architecture. Clean and simple, or full of authentic period details, French doors can transform your home indoors, your life outdoors and the appearance of your home



## Sliding doors

Be bold. Open up your home. Fill it with natural light and see what an amazing difference it makes to the way you feel.

See what happens when you entertain. A simple glide of the door on its purpose-designed, steel tracks and you can feel the connection between your indoor world and the one outside. Close the door and feel the comfort. Appreciate the peace and quiet.

Optima sliding doors can be configured to suit any home. There are sizes to fit everything from a cosy terrace to your grand design. With up to four panes in the door itself, you can opt for an even more dramatic look by adding panes at the side. Creating a wall of glass really does transform your home. Use sliding doors anywhere: to step onto the patio or to finish a conservatory. Or think about the possibility of a hideaway at the bottom of your garden – a place where you can work or relax, safe and warm, in a beautiful, insulated space.

### Safe

Every single sliding door we make, whatever its size or layout, is designed and proven to be safe, surpassing the requirements of Building Regulations. We've tested our doors in extreme weather conditions and proven they're up to the job. Every pane of glass is toughened for your safety and reassurance.

### Secure

We want you to love living in your home, and we know that a big part of that is feeling secure. We've gone back to the drawing board to ensure that our sliding doors have the features you want: anti-jacking technology, anti-bump, multi-hook locks, systems that meet Secured by Design standards and steel-reinforced frames.

### Sophisticated

Our sliding doors have a streamlined design, that doesn't shout but quietly whispers. Smooth to operate and easy to live with, they offer new possibilities. More light indoors, more time outdoors. Perfect for entertaining or for when you want to take five and appreciate the view from your warm and insulated home.

# Beautiful conservatories



## Extend your home, expand your horizons

Why not grab the opportunity to have a lighter, brighter home?

It's easier than you might think with a conservatory home extension. With modern materials and advanced glazing, conservatories can be comfortable all year round giving you the extra space you and your family need.

There are sizes and styles to suit every property, from classic shapes to bespoke layouts and every conservatory can be finished just the way you want. And it's up to you how you use it – make a conservatory your dining room, a playroom for the kids, the amazing entertainment space you've always wanted or create a sanctuary for those quiet moments of precious downtime.





## The changing face conservatories and extensions

Forget everything you think you already know because our advanced conservatory technology changes everything.

The best conservatories are now built with thermally efficient glass and can be used summer and winter. Roof systems are better, bespoke designs are bolder. There are insulated roofline pelmets and Loggia columns, roof lanterns, moulded architraves and solid infill panels. There are even tiled-roof systems which can bring a new lease of life to an older conservatory.

There are more possibilities than you can imagine, but to start you thinking, check our top-5 ideas:

### 1. Classic

The Classic conservatory uses dwarf walls and traditional perimeter glazing. It's a style that's timeless, versatile and very affordable.

### 2. Classic Plus

Take a Classic conservatory to the next level with full-height brick or stone walls and bespoke roof designs.

### 3. Loggia

Bring in solid in-fill panels, feature surrounds, and architraves to create a classic Italian theme.

### 4. UltraROOF 380

A simple, lightweight tiled roof that makes an older conservatory feel like a real part of your home. It's a rapid transformation that can take as little as one day.

### 5. UltraSky

Installed on a new build extension or orangery, or inserted into an existing flat roof, an UltraSky roof light will add the feeling of space and natural light to your home.



## Classic timeless and stylish

The Classic is simple but practical, with a look that's timeless. Ideal for properties of all sizes and working alongside all styles of architecture, a Classic conservatory can be configured in all sorts of ways to exactly fit your needs.

### Classic options

We start with the basics, but every conservatory is bespoke. Make the Classic design your own with any of the following optional extras:

- Aluminium cornice
- Aluminium roof cresting
- Roof vents
- Aluminium top caps
- Tie bars
- Utopia solid roof
- Glazing upgrades
- Loggia sidewalls.





## Classic plus Exclusive refinement

Classic Plus takes the Classic conservatory to the next level with an ingenious perimeter roof pelmet.

This creates a wonderful balance, giving your light airy conservatory a substantial feel. It's also great for installing downlighters or even speaker systems. The Classic Plus conservatory can be built with a mix of dwarf and full-height walls and we can add tie bars to the roof space for that traditional Orangery style.

### Upgrade your conservatory

You'd be surprised how easy it is for us to transform your existing conservatory with a Classic Plus upgrade. For very little disruption, we can create space with real impact.

### Classic Plus options

We believe your conservatory should be built just the way you want so we have lots of options to make that possible:

- Full-height brick walls and columns
- Aluminium roof cresting detailing
- Aluminium top caps
- Utopia solid roof
- Glazing upgrades
- Loggia sidewalls
- Downlighters
- Roof vents
- Tie bars.

## LOGGIA Italian charm

Italy is famous for its architecture and of course, Italians are passionate about style. That's why the Italian-inspired Loggia conservatory is so charming.

The highly insulated walling system is the secret: with either dwarf or full-height panels in a range of gorgeous shades, the Loggia design blends elegance and practicality. You can have a clean, crisp and uncluttered interior but still enjoy the comfort of fully integrated radiators. A ceiling-height pelmet around the perimeter is perfect for lighting systems, uniting the structure, but keeping all the wiring neatly out of sight.

### Loggia options

Like all our conservatories, the Loggia can be tailored to suit your site, your property or your location, and all our upgrades are great value. Options include:

- Aluminium roof cresting
- Aluminium cornice
- Aluminium top caps
- Utopia solid roof
- Glazing upgrades
- Downlighters
- Integrated radiators.





## Ultrarroof 380

If you've got an older, perhaps tired, conservatory, the chances are you might not be making the best use of the space.

In the past conservatories didn't include the energy efficient glass and insulation we use today and are often too cold in the winter and too hot in the summer.

The solution can be as simple as adding a tiled roof. It sounds like a big job, but it isn't because we use a system specially designed to do the job. Inside you get a beautiful vaulted plastered ceiling. Outside a lightweight but very durable tiled roof.

Your conservatory is much more comfortable and looks like the solid, practical home extension you've always wanted. It's a smart way to transform a problem conservatory you rarely use into a room that will become an integral part of your home.



## Ultrasky Lantern roof light

Installed on a new build extension, orangery, or inserted into an existing flat roof, an UltraSky roof light will add bags of natural light to your home. It's a stunning feature, creating a real sense of space and openness.

Ideal in a kitchen or dining room, UltraSky can be used in any room: imagine a studio, brimming with light, or a bathroom lit by the moon and stars. We're not exaggerating when we say UltraSky can transform the way you live.



## Finishing touches

The frames, beautiful though they are, are only part of the Optima story. The details that finish an installation are every bit as important.

It's your home, and we want you to be happy with every part of it, from the feel of a door handle to the glass in the window of your smallest room. We'll offer our advice and help you explore the options, but sometimes it's good to let your imagination run a little wild.



### Colour

We've not quite got all the colours of the rainbow, but we've got more than enough beautiful shades, wood effects and textures to satisfy. If you want something that's not shown in our swatch book, we can probably do that too – just ask. You can even choose a different colour or finish indoors and out. Whether you want to stand out or blend in, we'll do all we can to match your dreams and find the perfect finish for your site and your home.



### Glass

We'd never dream of treating the glass in your windows or doors as an afterthought. It's an integral part of the whole. The choice of glass affects not just the appearance of your home, but also your comfort and your energy usage. Modern surface coatings, which are practically invisible, can control the amount of solar gain and heat loss. Double or triple-glazed units are filled with inert gases, constructed using warm-edge spacers and with differing glazing gaps to insulate your home in the most appropriate way for its location and your needs.

Glass can be plain and simple, or it can make its own statement. A change to decorative or coloured glass can instantly alter the lighting and mood of a room. Leaded or stained glass can add interest to a bay or hallway. Contemporary or traditional etched glass designs offer privacy and soft, natural light.



### Hardware

Forget the days when every door handle looked the same. Forget the time when everything was one colour, like it or lump it. Now homeowners know that a modern home needs a modern style for the front door, including handles, numerals and letter plates. Homeowners understand that a period property should have period details that reflect the property's heritage and its environment. It just makes sense.

We'll never make you have chrome when gold's your thing. We won't insist on white handles when black would be bold, striking and effective. The choice is yours, but we will insist on quality – quality of materials, construction and design. We're looking for style, a faultless, durable finish and simple operation – the things you'll live with, day after day.



### Accessories

A window or door is only truly fabulous when it's finished to perfection. The Optima range of accessories has been designed to allow a perfect finish whatever the age, size or style of your home. Now when you replace windows or doors, you can recreate the details that your home's architect envisioned. You can replicate period details such as Georgian glazing bars in practical and easy-to-maintain modern materials. You can choose details like casement horns to enhance the appearance of your windows or arched heads to soften the shape of your frames.

Optima accessories are purpose made. The proportions and fit are precise and the performance and lifespan match that of the windows and doors themselves. There are cills, trickle vents, glazing bars, head inserts, mid-rails and casement horns, all available in our full range of colours and finishes.

The best windows are made from PROFILE 22 | [www.profile22.co.uk](http://www.profile22.co.uk)

PROFILE 22 is PVC-U profile system supplied to local independent manufacturers and installers who contract to install windows, doors and conservatories. PROFILE 22 SYSTEMS cannot be held accountable for manufacture or installation by independent companies. All information in this publication is provided for guidance only and is given in good faith. As it is company policy to continually improve products, methods and materials, changes of specification may be made from time to time without prior notice. This statement does not affect your statutory rights. ©PROFILE 22. Ref: PRO16414

