



**ELITE WINDOWS**

*Love your home... Love Liniar*

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Cream casement windows with French door



## Designed for saving energy

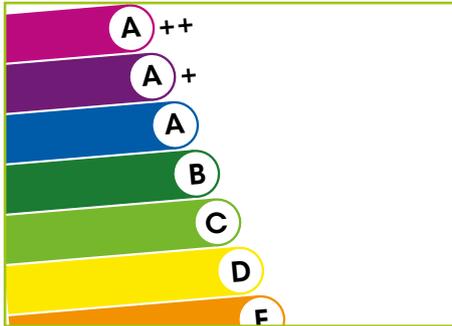
When you choose Liniar, not only are you assured of a high quality product, you'll be taking advantage of the most technically advanced range available in the UK.

PVCu windows may look similar – but it's the bits you don't see, tucked away inside the frames, that make a huge difference to how the windows perform, and how much energy they save – or waste – over their life cycle.

First introduced to the UK in the early 1980s, PVCu (or UPVC as they were known then) windows were unattractive and bulky – and only available in white. Being more cost effective to produce than alternative materials, they were soon used extensively in new buildings all over the country.

Most other PVCu window systems have been updated since then – but Liniar is the only range to have been designed completely from scratch combining extensive industry experience with the most modern window technology.

Launched in 2008, Liniar frames are not only beautifully slim and available in a huge choice of styles, colours and finishes – they contain a huge number of hidden features to make them the most energy efficient frames you can choose.



### Safe and secure

Liniar windows are fitted with high security multi-point locking as standard and are independently tested to the requirements of PAS 24 and Secured by Design.



### Energy Efficient

With unique multi-chambered PVCu profile, Liniar windows can achieve the very latest A++ energy rating, helping retain heat within your property.



### Fully tested

Liniar products are put through exhaustive testing processes to ensure they are robust, durable and built to last.



### Eco-friendly

Each PVCu product in the Liniar range is made from lead-free, energy efficient, recyclable PVCu, making it a sustainable choice.



### Made in Britain

The Liniar range is designed, tooled, extruded and tested at an award-winning, purpose-built, state-of-the-art factory in Derbyshire.



### Low maintenance

Liniar products won't rot, rust, or require painting - just an occasional clean with warm soapy water, even with our foiled colours.



# ELITE WINDOWS

## Focus on Sustainability

Liniar is committed to the protection of the planet for future generations. That's why Liniar has worked for nearly three decades to ensure no PVCu waste is sent to landfill. Liniar creates fully or partially recycled products, designs energy-efficient and eco-friendly products and continually works towards the smallest carbon footprint possible. Its window range is the only UK system that, when recycled, is 100% lead-free.

The environmental friendliness and energy efficiency of Liniar's windows, doors and conservatories set the standard for the rest of the industry. Not only can Liniar products save homeowners money on their energy bills, they're also manufactured using the smallest carbon footprint possible.

Liniar works alongside the Environment Agency to shrink its carbon footprint. So far during this agreement it has surpassed environmental targets by 63% and achieved ISO14001 accreditation for excellence in Environmental Management.

### Liniar's Sustainability Focus:

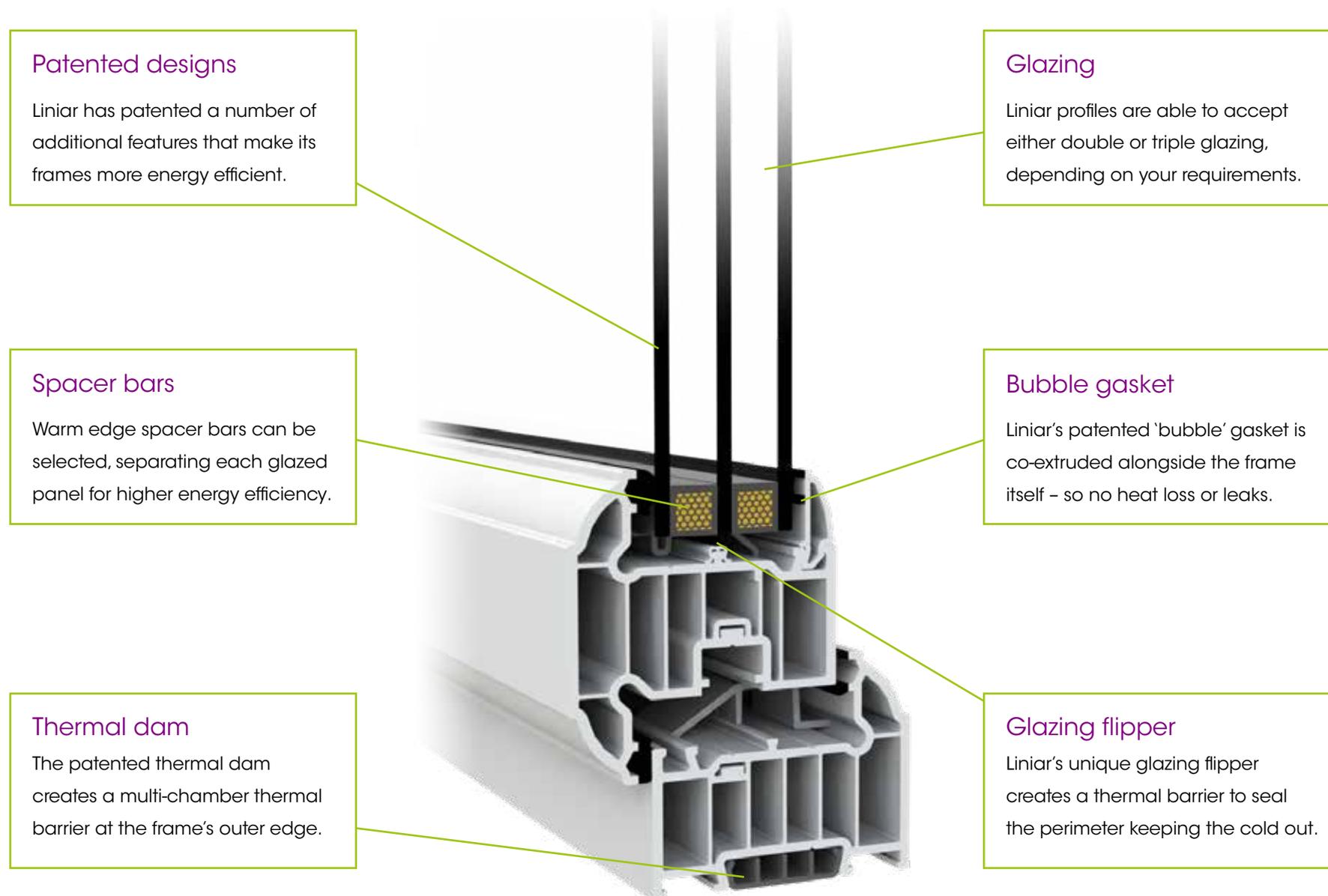
- Operational waste-neutral production facility.
- Recycling scrap from production into new fully or partially-recycled outdoor products since 1994.
- Underground water recycling facility recycles nearly 4 billion litres of water per year.
- Incandescent bulbs have been replaced with low-energy LED bulbs across the entire site.
- Heating across the site requires no fossil fuels or electricity.
- Constant investment in energy-efficient machinery, methods and transportation.



## How PVCu profiles work

PVCu is a natural insulator, so it's one of the most energy efficient materials for a window frame. Inside a Liniar frame, multiple chambers act as barriers, making it difficult for the heat inside your home to be transferred through and escape outside.

The drawings opposite show the inside of a Liniar standard, an EnergyPlus frame and an EnergyPlus90 frame, the colours representing heat and cold – with red symbolising the heat from your home and blue the cold air coming from the outside.



The result is a supremely energy efficient glazed product, capable of achieving the highest possible Windows Energy Rating of A++ or a U-value as low as 0.5 W/m<sup>2</sup>K with quad glazing\*.

\*EnergyPlus90 rating

## Security and accreditations

The Liniar system has been designed to maximise energy efficiency without compromising security. This is backed up by the ongoing security testing of Liniar products, together with third party accreditation where applicable.

### ModLok™

Developed by Liniar in conjunction with the world's leading lock manufacturers, the revolutionary patented ModLok™ (*patent pending: 1306594.1*) technology is built into Liniar's bi-folding and patio door systems. ModLok™ is a highly innovative combined reinforcing and locking mechanism, bringing additional strength and rigidity to the doors and enabling wider configurations of sliding and folding doors.

With hook bolts, shootbolts, anti-lift technology, anti-bump cylinders and optional anti-snap cylinders, ModLok™ products are extremely secure. Even hinge fixings are hidden inside the doors so they can't be unscrewed from the outside. Combining frame reinforcing within bi-fold and patio doors with a high security locking mechanism, Liniar's ModLok™ offers the structural benefits of an aluminium door.

### Alumina by Liniar

The Alumina bi-fold system is manufactured from aluminium and offers similar high security features to ModLok™. The addition of an innovative high density polymer (*patent pending: 1522501.4.1*) lock ensures no heat is lost through this vital component. Unlike other aluminium doors, the lock itself creates a thermal break to help the Alumina bi-fold achieve low U-values.





### Secured by Design

Liniar Secured by Design products are designed with exceptional security features and confirmed as meeting the requirements of the Association of Chief Police Officers.



### PAS 24:2012

The British Standard for enhanced security performance, PAS 24 testing also includes testing for air and water tightness and wind loading to BS 6375.



### BBA Approval

Liniar's whole window system is BBA (British Board of Agrément) Approved, verifying an impartial and unbiased review on the performance of products.



### BS EN 12608:2003

Holding the British Standard for quality, consistency and performance required for PVCu extruded hollow profiles, Liniar's systems are tested to ensure continued compliance.



### BuildCheck

An independent testing house conforming to British standards and accredited by UKAS and the BFRC. Liniar's ModLok™ bi-fold door was first to pass its Folding/Sliding Door Scheme.



### BS EN ISO 9001 (Quality)

Liniar's factory has BS EN ISO 9001:2008 accreditation for quality management systems - proving its strong customer focus and continuous improvement cycle.



### BS EN 14001 (Environmental)

Liniar has been certified for the latest BSI (British Standards Institute) ISO 14001 Environmental Management System (EMS), thanks to a continued focus on sustainability.



### BS EN 6375

Parts 1, 2 & 3 relate to the requirements of windows and doors, including weather testing inclusive of wind loading, functionality testing and cyclic testing.



### CORGI Fenestration

The most recognised consumer mark in history, Liniar was the first systems company to achieve registration to the scheme - assuring the highest quality products, processes and business practices.

Before choosing windows and doors ensure they comply with the latest building regulations. See [www.liniar.co.uk/building-regulations](http://www.liniar.co.uk/building-regulations) for more information.

# The range



## Casement Window

The most popular choice, casement windows may include top or side opening sashes, arched tops, mock sash horns or astragal bars.



## Tilt & Turn Window

Perfect as a fire escape, the 'open in' style offers great options for cleaning from within as well as maximising ventilation.



## French Window

With both sashes opening out from the centre, Liniar French windows have a dummy centre mullion, resulting in a fully open aperture.



## Flush Sash Window

Offering both a sleek, contemporary appearance or the realism of a traditional timber window - with 21st century thermal benefits.



## Residential Door

Liniar's PVCu residential doors are available as opening in or opening out, designed to match perfectly with the window range.



## Resurgence Window

A new concept in PVCu windows, Resurgence offers a unique timber replica design with double-rebated weatherproof seals.



## Bay/Bow Window

A great way to bring more light into your home, bay or bow windows can be made from standard or flush sash casements.



## Composite Door

Offers up to six times the insulation of a timber door, combining the appearance of timber with superb thermal performance.



### Stable Door

A classic and charming alternative to a standard door, the two halves of the door can be opened independently – ideal for families.



### French Door

Liniar's stunning French doors come with the same high specification and colour choices as our window range.



### Patio Door

Featuring a unique 'air glide' system, Liniar's sliding patio door is ergonomically designed with four patents.



### Standard Bi-Fold

The first fully bespoke PVCu bi-fold doors to be engineered, designed and manufactured in the UK – and still the best.



### ModLok Bi-Fold

Featuring patented ModLok™ exoskeleton with supreme thermal efficiency, can span to 7 panes wide. Available as bi-fold, residential and French doors.



### Alumina Bi-fold

Combining a 'true' aluminium door-set with a thermally efficient locking mechanism. Available as bi-fold, residential and French doors



### Conservatory Roof

Available in a choice of 5 shapes, the Liniar roof system features patented innovations and matches perfectly with Liniar windows and doors.



### Elevate Lantern Roof

Adding light to flat-roof extensions, Elevate features slim sightlines and a sleek transition of roof bars for unobstructed views.



### Roofline

Liniar's soffits, fascias, trims and cladding offer a perfectly matching solution to any installation, in a wide range of colours and finishes.

# ELITE WINDOWS

## Window Energy Ratings

Up to 20% of your home's heat can be lost through your windows.

That's why it's important to make sure your new windows are as energy efficient as possible

The Window Energy Ratings scale is designed by the British Fenestration Ratings Council (BFRC) to measure the thermal performance of windows, and enables different windows to be compared on a scale that runs from A++ down to E.

Your windows may be supplied with a document to confirm how efficient they are - and the higher the rating, the more heat they'll keep inside your property.

The BFRC rating indicates how well a product will:

- help you contain and conserve heat within your property when it's cold outside
- keep out the elements
- resist condensation on the inside of the window
- contribute to improved sound insulation.

Liniar's EnergyPlus90 window system is the first in the UK to achieve Passive House standard, together with noise reduction to 42 decibels



### Liniar helps generate energy for eco-house project

A house featured on the BBC programme 'The House that £100k Built' was designed with Liniar EnergyPlus windows, due to their incredible thermal efficiency. U-values of 0.8W/m<sup>2</sup>K were achieved, with the house actually generating more electricity than its owners consume.

You can read the full story on the Liniar website at [www.liniar.co.uk/case-studies](http://www.liniar.co.uk/case-studies).





## ELITE WINDOWS

window range

Don't compromise between security and energy efficiency – choose Liniar.

The Liniar 70mm window system was created from scratch, building in innovative design features intended to reshape the accepted standards for PVCu windows.

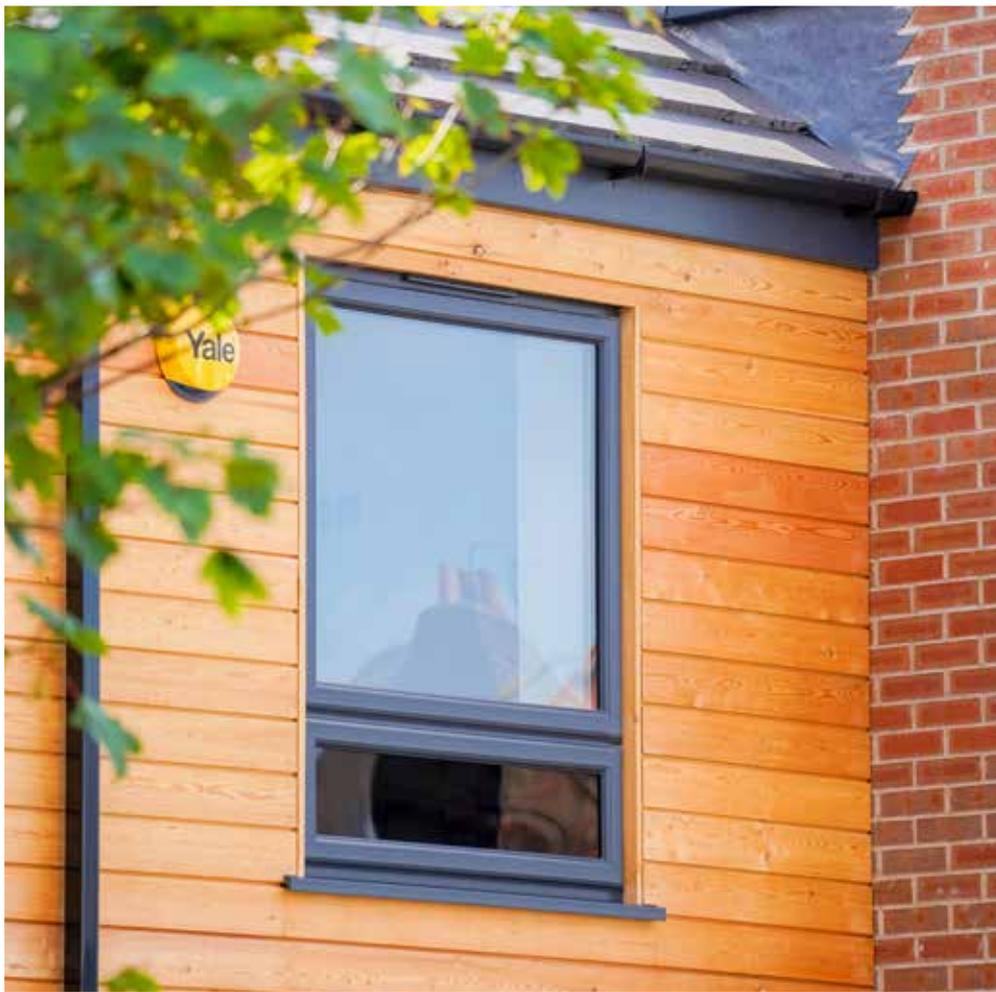
Multi-chambered frame technology means Liniar windows can achieve the highest energy ratings of A++ whilst at the same time attaining Secured by Design status. Standard 4-chamber, EnergyPlus 6-chamber and EnergyPlus90 9-chamber frames all deliver supreme thermal efficiency.

Liniar window styles are available in a choice of sculptured (curved) or chamfered (bevelled) frames and can be manufactured with either 28mm double or 36mm triple glazing. A huge range of colours and finishes means you can personalise your windows to your own requirements.

### Why choose Liniar windows?

- Designed from scratch to achieve the pinnacle of thermal performance.
- Engineered with built-in security features and fully tested.
- Backed with quality assurance and accreditation for peace of mind.
- 100% lead-free, fully recyclable and fully guaranteed.

For more information visit [www.liniar.co.uk/windows](http://www.liniar.co.uk/windows)



# ELITE WINDOWS

## Casement windows

Still the most popular choice for homes all over the UK, Linar casement windows offer total versatility and either classic or contemporary style.

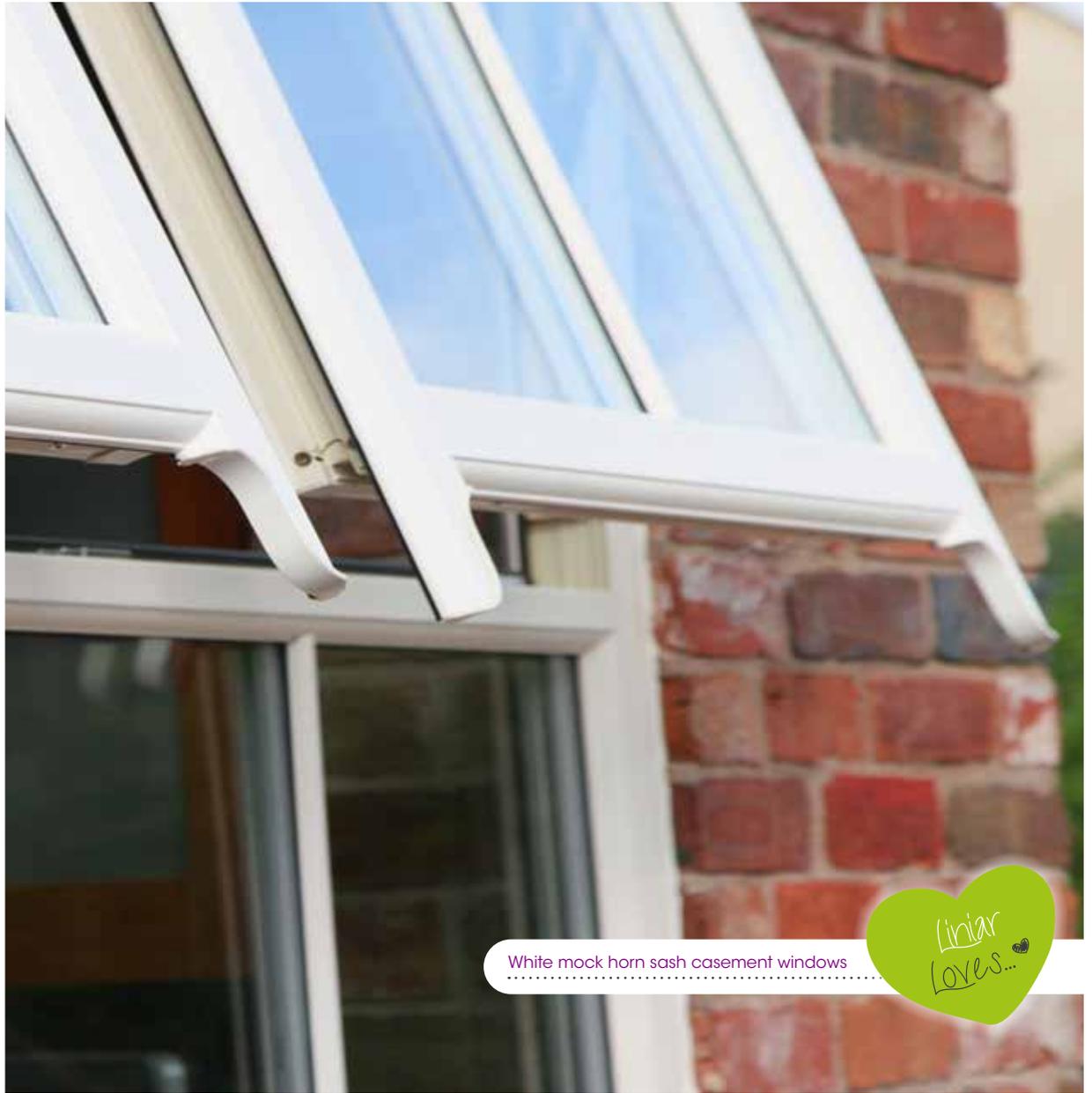
This traditional British window style offers slim sight lines to let in maximum light. It's available in a wide choice of configurations, including top or side hung windows, so you can personalise each window to your requirements. Adding moulded sash horns gives Linar casement windows the appearance of traditional vertical sliders – or for additional character you can add astragal or Georgian bars to your windows.

You could also add arched tops, coloured or bevelled glass, and there's a wide range of colours and finishes to choose from. With matching cills and either traditional or contemporary handles, the choices are almost endless. Linar's patented bubble gasket is used in all products and delivers a continuous seal – even in the corners – resulting in draught-free, weather proof and leak-free windows, all with high security features.



### Options at a glance:

- Choose from standard, EnergyPlus or EnergyPlus90 frames
- Sculptured (curved) or chamfered (bevelled)
- Add Georgian bars and/or patterned glass
- Wide choice of coloured and foiled frames
- Wide choice of handle and hinge options.



White mock horn sash casement windows





# ELITE WINDOWS

## Flush sash windows

Sleek, flush and thermally efficient – Liniar’s original flush sash range delivers a window with the realism of a traditional timber window.

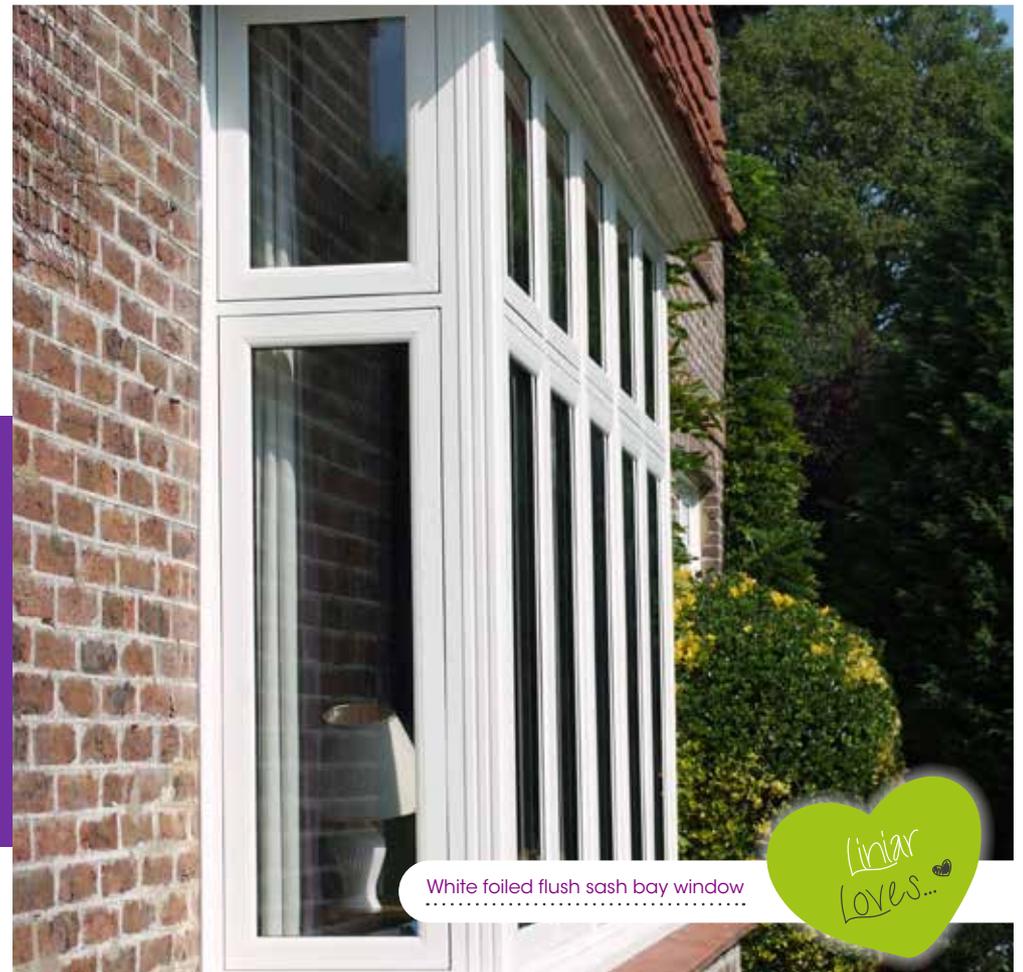
For many property owners, PVCu windows aren’t an option due to planning or environmental restrictions. The Liniar flush sash range changes the rules, delivering realistic traditional-looking windows combined with 21st Century thermal benefits. As the name suggests, the sash fits flush into the frame on all external faces of the window, giving it a distinctive, sleek appearance that’s also ideal for more contemporary properties.

With the inside of the sash beautifully sculptured, woodgrain effect foils can be factory fitted for an authentic timber façade, or you can choose flat foils for a modern effect. You could even try different colours on the sash and outer frame for a totally personalised look. The flush sash delivers A+ energy ratings and U-values as low as 1.2 W/m<sup>2</sup>K. Many delighted property owners have won over planning restrictions where PVCu had formerly seemed impossible, thanks to the Liniar flush sash.

### Options at a glance:

- Sculptured (curved) edges
- Add Georgian bars and/or patterned glass
- Wide choice of coloured and foiled frames
- Wide choice of handle and hinge options.

Also see Resurgence flush sash windows for double-rebated weather performance in a timber alternative style.



White foiled flush sash bay window





# ELITE WINDOWS

## Resurgence windows

A stunning 'timber alternative window', Resurgence takes the flush sash style to new levels of design, elegance and thermal efficiency.

The UK's first PVCu double-rebated flush sash window, Resurgence offers the ideal solution for both modern and character properties.

Resurgence offers unrivalled energy efficiency with a Window Energy Rating (WER) of A++. Linar's double-rebated, co-extruded seal delivers a weather and draught-proof installation without the tell-tale brush piles often seen in the shadow gap of other PVCu flush sash windows. All Resurgence seals are conveniently out of sight for a clean, beautifully sleek finish.

When Resurgence is installed with a woodgrain foiled finish, it's difficult to distinguish from a traditional timber window. Thanks to a comprehensive lamination process, Resurgence is foiled on interior surfaces too, providing a realistic finish even when the window is open.

### Personalisation and Resurgence

Resurgence is available in a stunning range of colours, including woodgrain foils such as the popular Anthracite or Agate Grey, Anteak Oak and Sheffield Oak. It can also be fitted with either double or triple glazing for different thermal and acoustic options. For all available options, including hardware and security solutions, contact your fabricator or installer.



### Resurgence, Article 4 and Conservation

Resurgence replicates the timber windows found on historical properties with the added 21st century benefits of low maintenance and high thermal efficiency. If you live in a historical, grade listed or conservation property, you will be subject to Article 4 or Listed Building Consent in order to fit Resurgence windows in your property.

While some councils are taking a more modern approach and accepting timber replica, energy efficient PVCu windows, it is best to check with your local council and Local Planning Authority before beginning any work on your property.



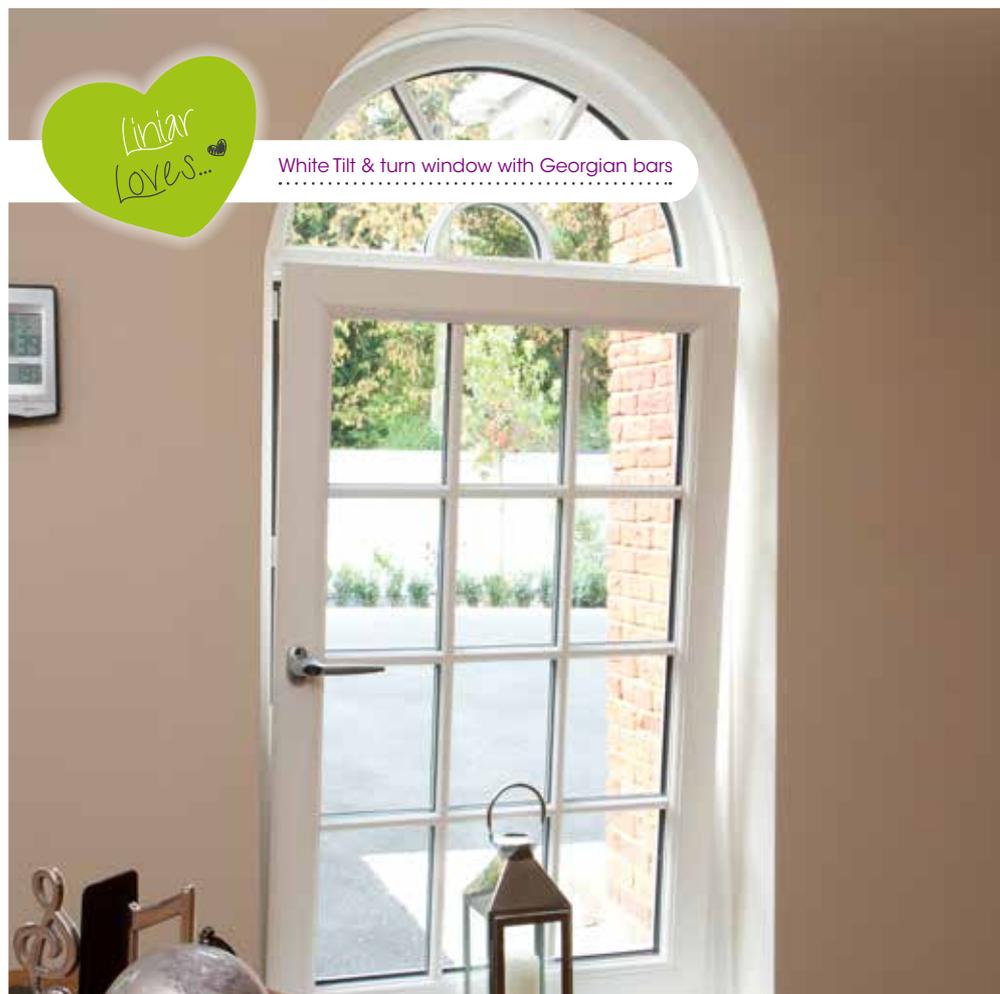
7016 Grey Resurgence windows





Irish Oak T-Shape Conservatory Roof





## ELITE WINDOWS Tilt & turn windows

If you love opening your windows wide to let in fresh air, but worry about security, why not consider the European style of a Liniar tilt and turn window?

The 'open in' style gives great options for cleaning from within (in the turn position) and secure ventilation (in the tilt position).

Offering a greater scope for larger openings than a traditional casement window, Liniar's tilt & turn windows are ideal for high-rise as well as low-rise applications, and thermal performance is helped by the larger panes of glass. Astragal or Georgian bars can be added, and your installer will be able to show you the wide choice of coloured and patterned glass on offer to you.

As with casement windows, Liniar's patented bubble gasket delivers a continuous seal around the edges, resulting in draught-free, weather proof and leak-free windows with U-values as low as 0.9 W/m<sup>2</sup>K.



### Options at a glance:

- Choose from standard 4-chamber or EnergyPlus 6-chamber frame.
- Sculptured (curved) or chamfered (bevelled)
- Add Georgian bars and/or patterned glass
- Wide choice of coloured and foiled frames



# ELITE WINDOWS

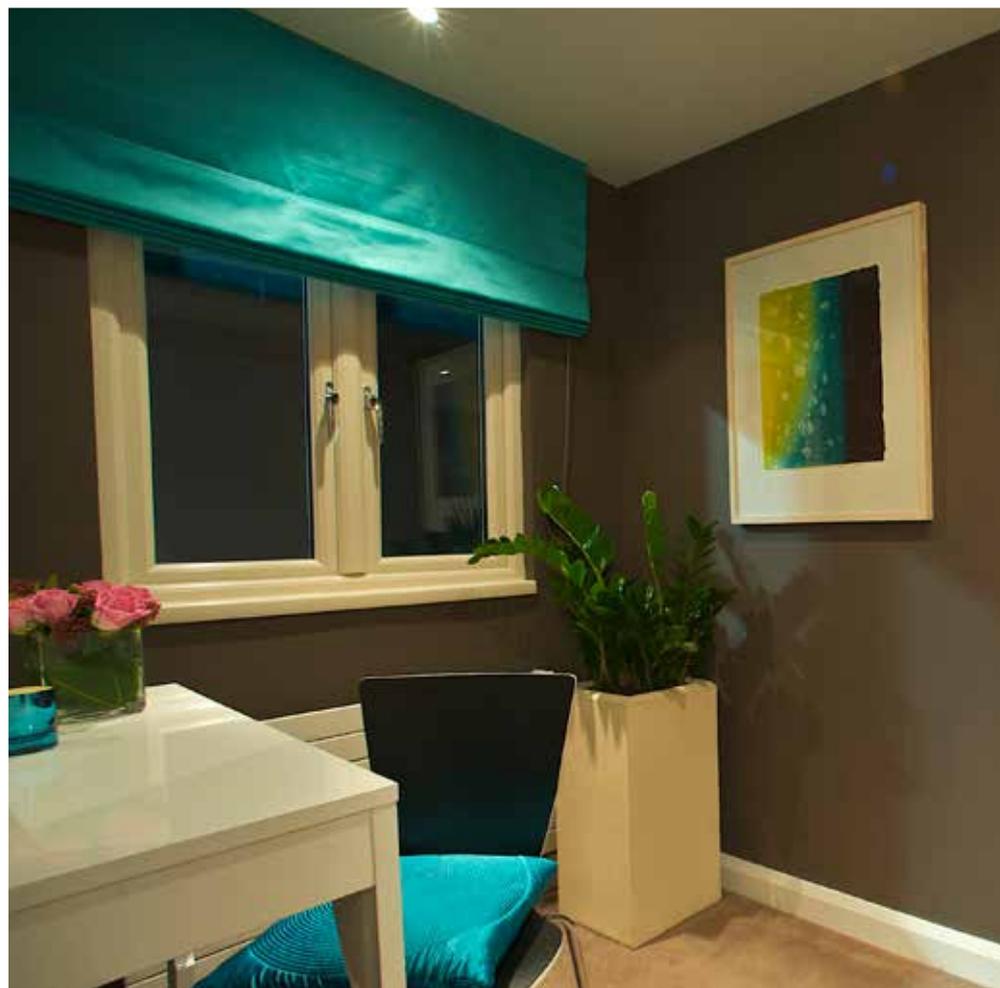
## French windows

Similar to the styling of French doors, Liniar's French windows open out from the centre to offer a full-width opening and maximum light.

Offering a distinctive style, French windows are ideal as a fire escape. One sash carries with it the central mullion as the windows are fully opened, providing you with unrestricted access and views.

With high security locks, your security is assured – and child restrictors can also be added for peace of mind. Traditional or contemporary, French windows can be installed in a variety of locations and buildings.

Liniar French windows feature the patented bubble gasket used in all products, delivering a continuous seal, even in the corners. This results in draught-free, weather proof and leak-free windows. High energy ratings result in U-values as low as 0.8 W/m<sup>2</sup>K.



### Options at a glance:

- Choose from standard 4-chamber or EnergyPlus 6-chamber frame
- Sculptured (curved) or chamfered (bevelled)
- Add Georgian bars and/or patterned glass
- Wide choice of coloured and foiled frames
- Wide choice of handle and hinge options.

# ELITE WINDOWS

## Bay or bow windows

Liniar's innovative bow and bay window styles offer a number of features and benefits unrivalled in today's marketplace and are available in a range of options.

A great way to bring more light into your home, a bow or bay window style utilises either a standard casement or flush sash window to form a collection of windows set together at an angle.

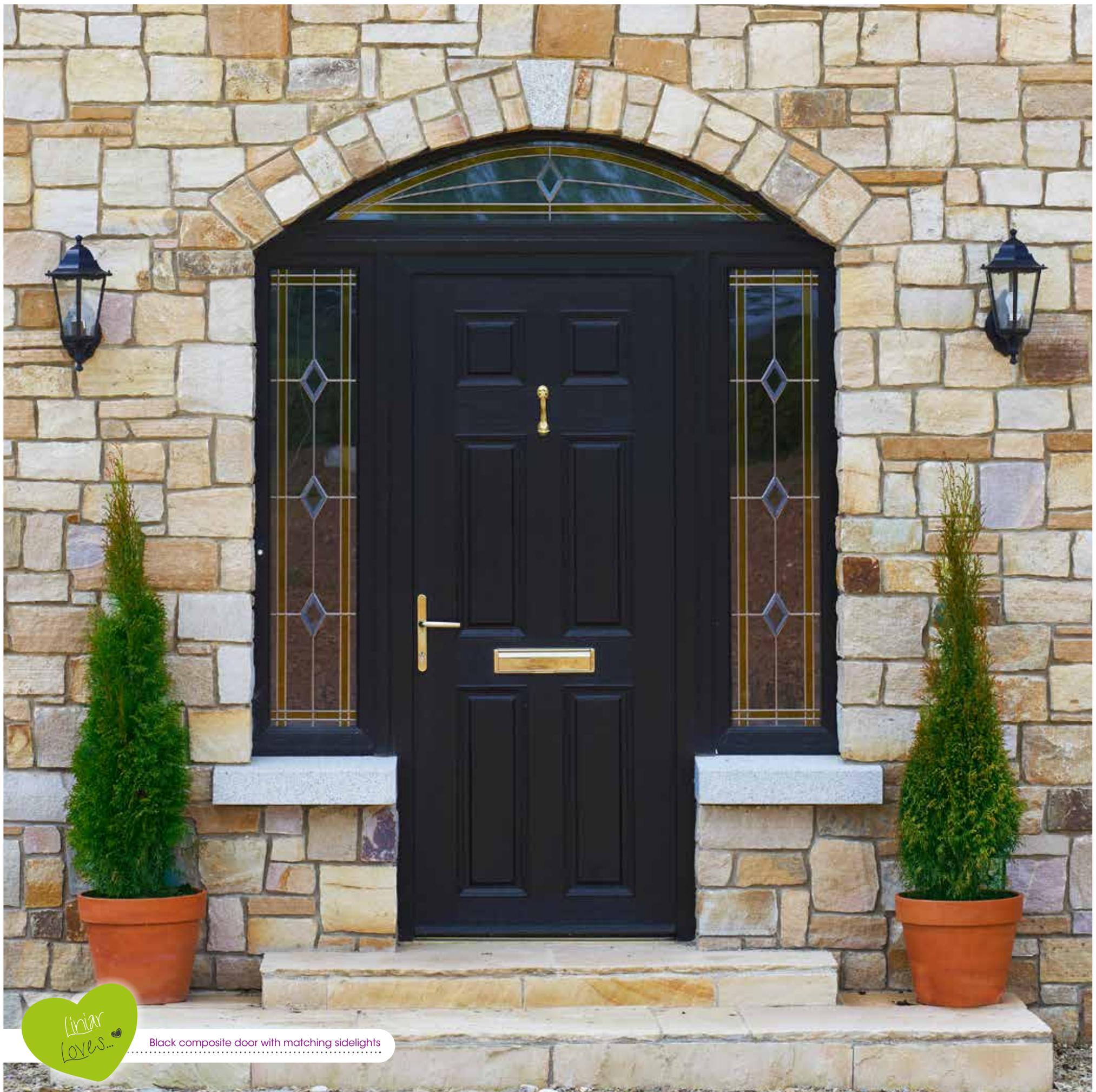
By choosing different styles, colours, glazing designs and handles, your bay or bow windows can be truly personalised for your home.

Liniar's innovative design of the interior and exterior joint couplings prevents dust traps forming, making cleaning with a damp cloth quick and easy.



### Options at a glance:

- Standard 4-chamber or EnergyPlus 6-chamber frames
- Sculptured (curved) or chamfered (bevelled)
- 28mm double glazed or 36mm triple glazed units
- Flush Sash styling available (see page 20)
- Add Georgian bars and or/patterned glass
- Wide choice of coloured and foiled frames
- Wide choice of handles and hinge options



Black composite door with matching sidelights



## ELITE WINDOWS

range of doors

Choose a Liniar door to create a stunning entrance to your home.

The profile, or frame, in a Liniar door contains multiple chambers to minimise the transfer of heat from the inside of your property to the outside. This, together with other innovative design enhancements, helps to minimise your energy costs on an ongoing basis.

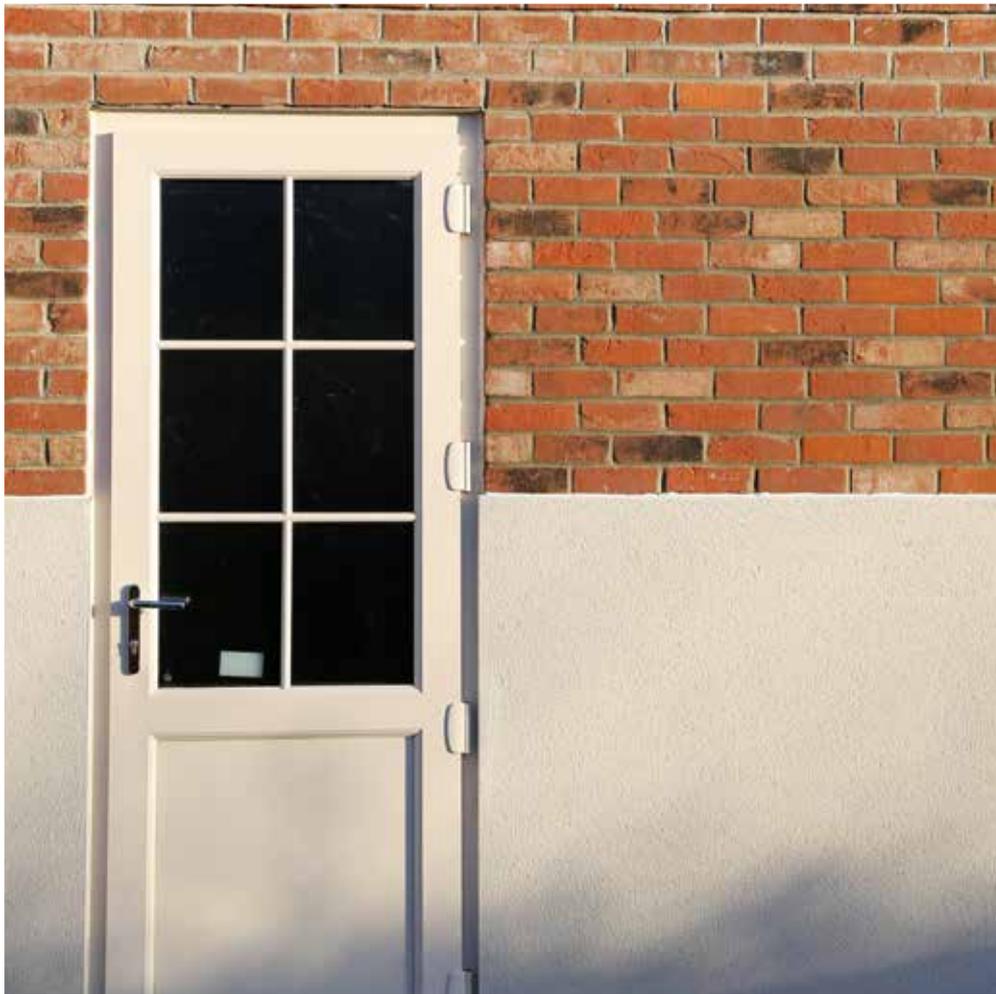
Both PVCu residential doors and composite front doors utilise Liniar frames to perfectly match with your windows, and offer superb energy ratings. Liniar fabricators are able to offer a vast choice of styles, designs and colours

French doors offer a solution for wider entrances and let in more light - with U-values as low as 1.0.

### Why choose Liniar doors?

- Supreme thermal performance compared to other doors on the market
- Fully tested and accredited with the highest security credentials
- Doors match perfectly with the Liniar window range for a beautiful finish
- Patented design features deliver the smoothest and lightest operation.

For more information visit [www.liniar.co.uk/doors](http://www.liniar.co.uk/doors).



## ELITE WINDOWS Residential doors

Your front door offers a first impression to callers to your home. With a Liniar PVCu residential door you can make sure it's a good one.

Liniar offer a wide selection of PVCu residential doors, all with the same energy efficient profile as your Liniar windows, together with high security locks and a great weather seal.

Every residential door is completely bespoke and made to order for you. Choose from a wide variety of colours and styles, glazed panels and matching sidelights. All Liniar residential doors are available with optional Part M compliant low threshold and your choice of hardware, handles, letter boxes and knockers. In addition, Liniar doors exceed British Standards and have achieved PAS 24:2015 and Secured by Design accreditation.

Liniar residential doors are also available in a 'stable' style, with the top section of the door opening independently of the lower section. Ideal for children and pets, the stable door style suits both traditional and modern properties.



### Options at a glance:

- Choose from standard 4-chamber or EnergyPlus 6-chamber frame
- Sculptured (curved) or chamfered (bevelled)
- 28mm double glazed or 36mm triple glazed units
- Part M compliant low threshold available
- Wide choice of coloured and foiled styles
- Wide choice of handle, letterbox and hinge options.

Liniar  
Loves...

Chartwell Green Residential door with matching sidelight

# ELITE WINDOWS

## Composite doors

Offering up to six times the insulation of a timber door, a composite door combines the look of timber with superb thermal performance.

Composite doors are made from a variety of materials including PVCu, wood, insulating foam and glass reinforced plastic (GRP). This combination of materials, with frames made from Liniar profiles, results in a very strong and secure door.

Each composite door has a high resistance to weathering and won't react to seasonal changes like a singular material door would. Liniar composite doors are designed with an attractive woodgrain appearance but, because of the materials used, they won't fade or discolour - and neither will they need painting, nor warp in damp conditions.

Doors can be manufactured with 44mm or 48mm deep door slabs, and the choice of colours, finishes, hardware and glazing options is almost endless.

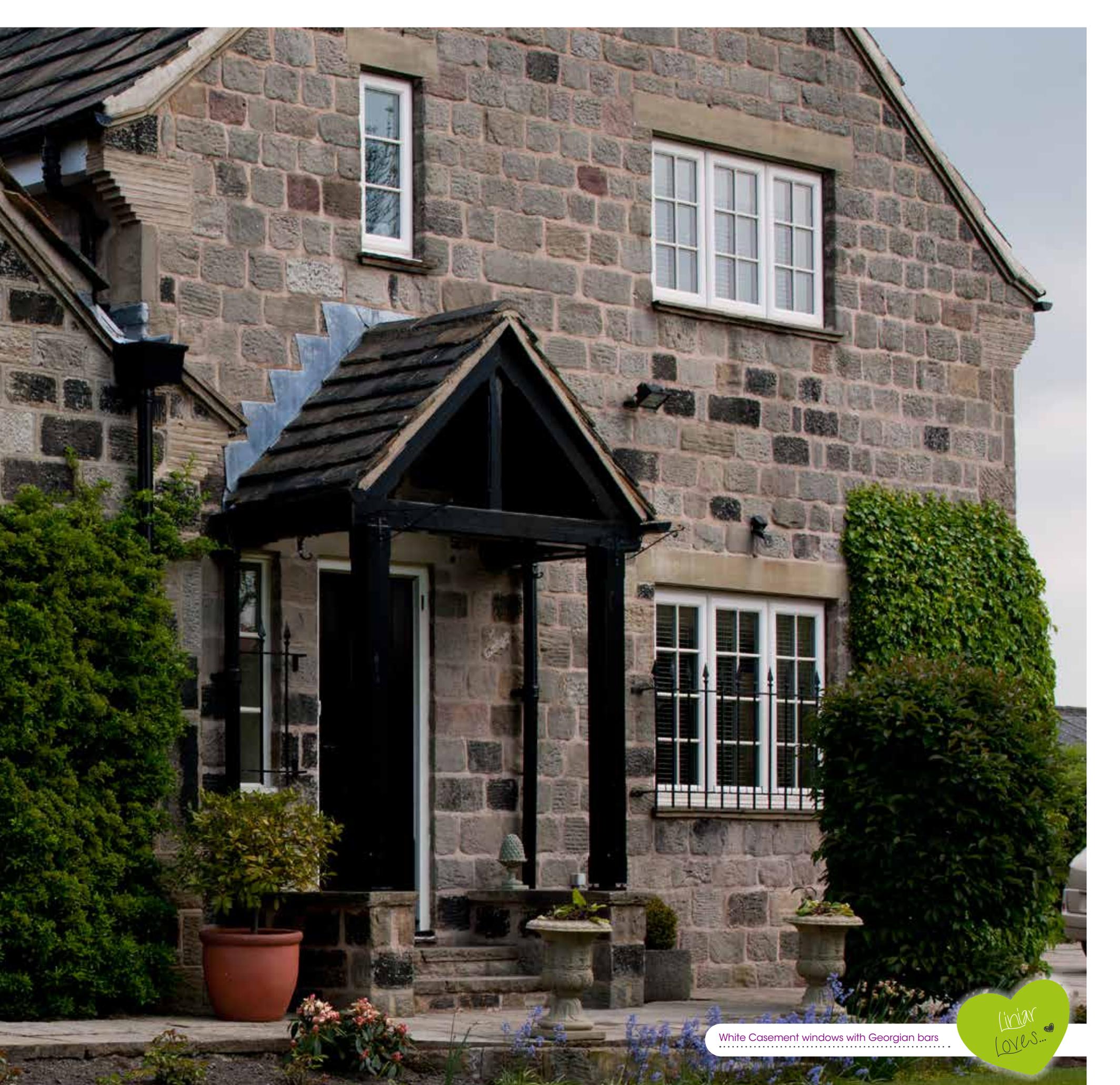
Please ask to see individual brochures for more details and options.



### Options at a glance:

- 44mm or 48mm (thickness) door slabs
- Sculptured (curved) or chamfered (bevelled)
- Part M compliant low threshold available
- Wide choice of coloured and foiled frames
- Wide choice of handles, letterbox and hinge options.





White Casement windows with Georgian bars

Linjar  
Loves...



## ELITE WINDOWS French doors

Slim sightlines and a 'floating' central mullion mean Liniar French doors are the ideal choice for a fully opening and secure entrance to your home.

An attractive alternative to sliding patio or bi-folding doors, French doors can open inwards or outwards to suit your living space. Choose from Liniar's sculptured style for beautiful curves, or chamfered for a flat, more modern finish to your doors.

You could add sidelights for larger openings, and bevelled or patterned glass to add a distinctive style to your doors. Whichever design or colour you select, you can rest assured of the highest security as Liniar French doors carry PAS 24:2015 and Secured By Design accreditation.

Outperforming most of the other leading brands, Liniar French doors can achieve a U-value as low as 1.0 W/m<sup>2</sup>K with triple glazing, ensuring the heat stays in your home.

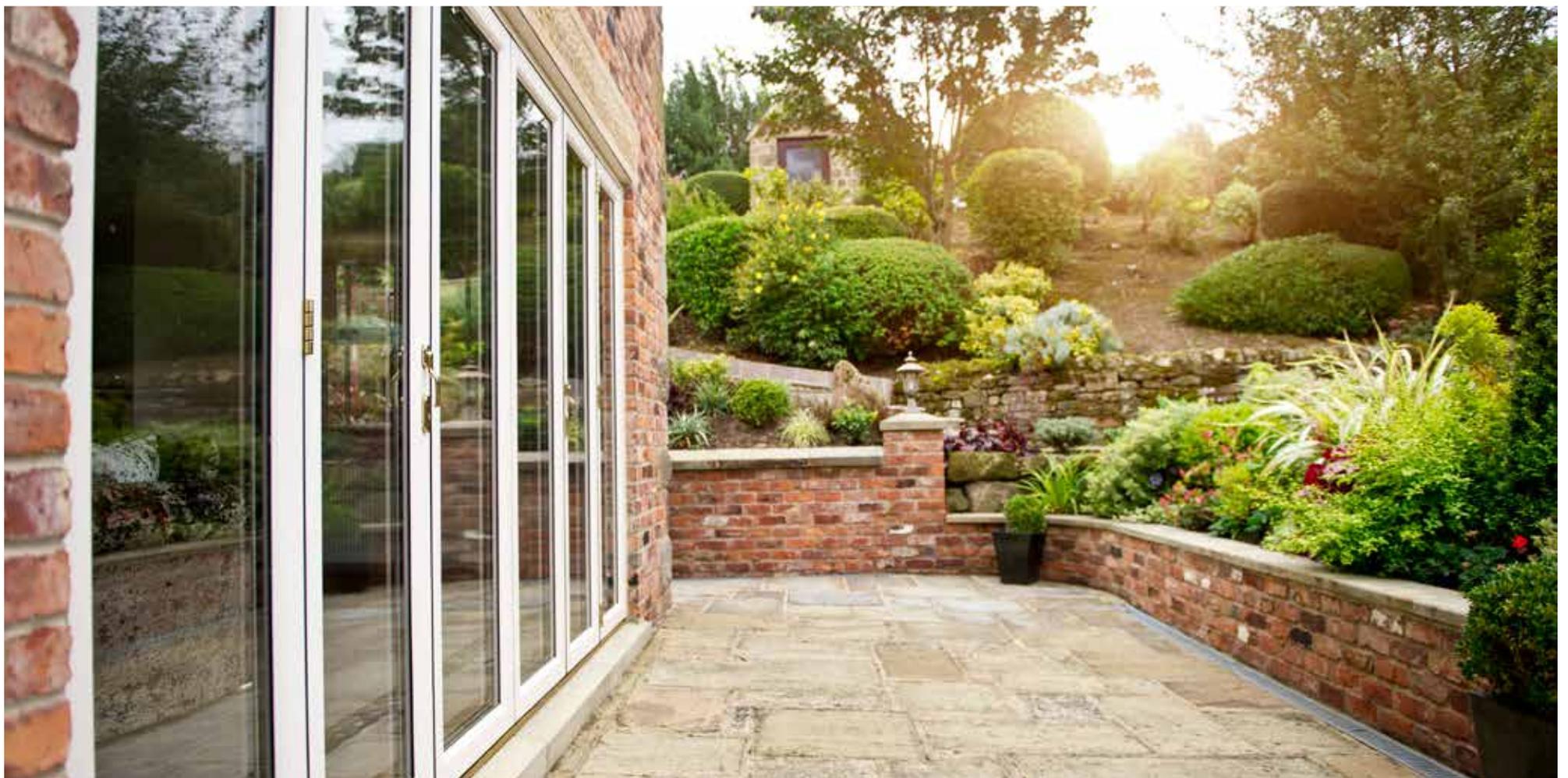


### Options at a glance:

- Choose from standard 4-chamber or EnergyPlus 6-chamber frames
- Sculptured (curved) or chamfered (bevelled)
- 28mm double glazed or 36mm triple glazed units
- Part M compliant low threshold available
- Add Georgian bars and/or patterned glass
- Wide choice of coloured and foiled frames
- Wide choice of handle and hinge options.







## ELITE WINDOWS

### The ModLok™ patio door

Stunning, ergonomic design with smooth 'air glide' system.

Traditional sliding patio doors are as popular as ever, letting in light and creating a smooth entrance to gardens and conservatories all over the UK.

The Liniar ModLok™ patio system takes a traditional concept and brings it firmly into the 21st century with styling, operational and patented security features making it a stand-out product in the range.

Reaching up to four panes wide, with up to two moving panes, choosing a Liniar patio door with ModLok™ technology will deliver style without compromising security. And with a family-friendly low threshold option, which can be installed without the need for expensive trench excavation, your new installation can usually be carried out in just one day.

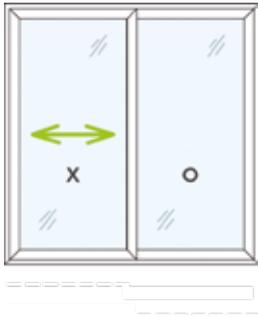
#### Why choose Liniar patio doors?

- Slim sightlines and hidden crash stops for beautiful ergonomics
- 'Smooth as air' gliding motion and built-in decelerator
- Cycle tested to 28,000 full opening cycles
- Optional Part M compliant low threshold with no need for trench excavation.

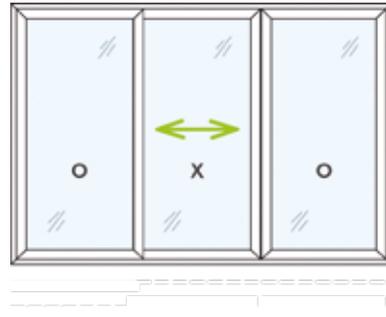
For more information visit [www.liniar.co.uk/doors/patio](http://www.liniar.co.uk/doors/patio)

## Patio configurations

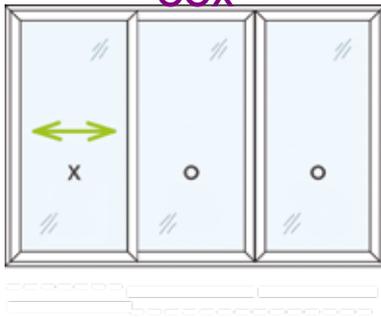
**2 Pane Style  
OX/XO**



**3 Pane Style  
OXO**



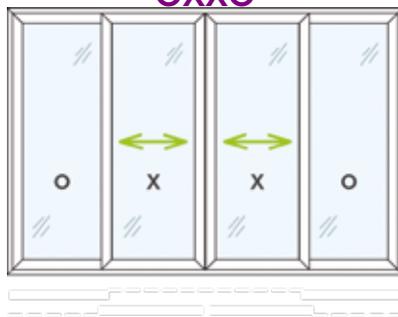
**3 Pane  
Style XOO/  
OOX**



**3 Pane  
Style OOX/XOO  
(Optional)**



**4 Pane  
Style  
OXXO**



# ELITE WINDOWS Patio doors

Don't compromise on security – the patented ModLok™ technology built into every Liniar patio door means it will help to protect your home.

Fitted with Liniar's revolutionary multi-wheeled 'air glide' system, the Liniar sliding patio door is perfectly balanced and family friendly to operate. Other sliding patio door systems operate on a four-wheel mechanism made of steel. The roller on Liniar patio doors features an eight-wheel acetal system, designed to provide a unique 'floating on air' smooth, silent, rolling motion.

This innovative roller is designed to self-adjust, even over mis-aligned surfaces. It also has a staggering load capacity for glazed panes up to 120kg per sash.

Built-in brushes gently sweep away any minor debris each time the doors are closed, helping it to maintain efficient operation.

The Liniar patio system features the innovative ModLok™ system, combining aluminium reinforcing with a high security locking mechanism.

Eco-friendly, the seamless aluminium sections encasing each pane of the door mean all elements can be separated and recycled easily at the end of the doors' useful life.

With four bi-directional lock clusters, the Liniar patio offers a high security solution. The system features eight mushroom-head locking points housed within an aluminium box section which provides additional rigidity and strength. 3-star rated 'anti-snap' locking cylinders can be added for even greater protection against would-be intruders.

### Low threshold options

Thermally broken, the Liniar low threshold offers increased energy efficiency for patio doors. A Part M compliant low threshold with integral ramp is also available, both in silver or gold finishes. With all Liniar thresholds, no trench excavation is required, cutting down on installation time and disruption.

Available with mechanical jointing, the components of the patio frames can be supplied separately, rather than being welded together in one complete pane, to be fixed together on site. This makes it easier for the installer to transport and handle and opens up the option of a patio door to those who have limited access to the rear of their property.

The Liniar ModLok™ patio system needs to be experienced to fully appreciate the ergonomic design, the effortless opening mechanism and the smooth and noiseless 'air glide' motion. The patio system is so versatile, you could choose to have a midrail added to one or more panes – or even a letter box if required! Visit your nearest showroom to see it for yourself.



White four Pane Patio door

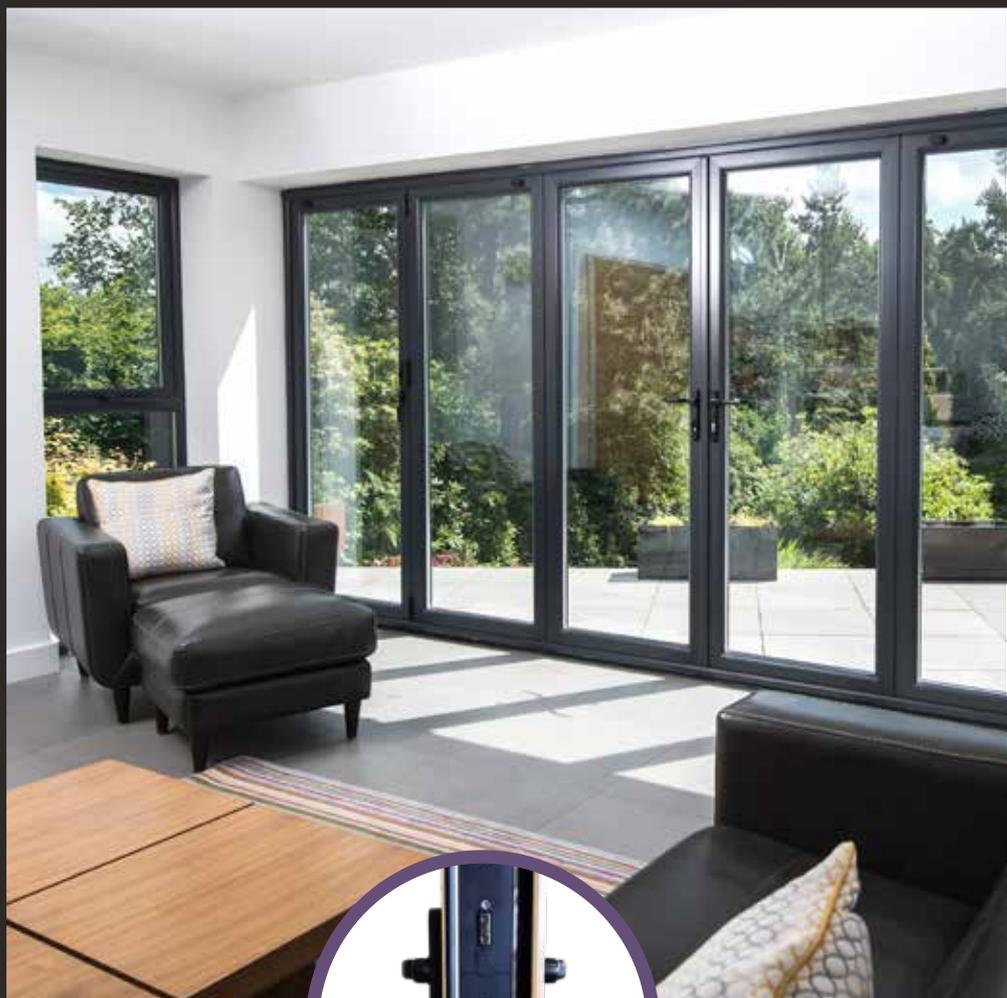
Liniar  
Loves...

#### Options at a glance:

- EnergyPlus 6-chamber frame
- Sculptured (curved) styling
- 28mm double or triple glazed units
- Part M compliant low threshold available
- Optional midrail, optional letterbox
- Wide choice of coloured and foiled frames
- Choice of black, white, dark and light chrome and gold handles.







## Alumina Bi-fold doors

Made from aluminium, the Alumina by Linar range delivers high thermal efficiency with the only sculptured aluminium bi-fold created to fully match PVCu windows.

The very latest product development from Linar, the Alumina bi-fold was created to offer a true aluminium bi-fold for large apertures where the panes can reach up to 2.5m high for floor-to-ceiling glass.

The only fully sculptured aluminium bi-fold doors on the market, Alumina will match the exact shape of Linar sculptured windows. Not only that, you can choose to have the frames supplied with factory fitted foils for a warm touch finish and a seamless colour match.

With the same hardware as the ModLok™ bi-fold system you can rest assured of the highest security features, including three opposing hooks and two shootbolts built in to every master door, plus two anti-lift shootbolts on every slave door.

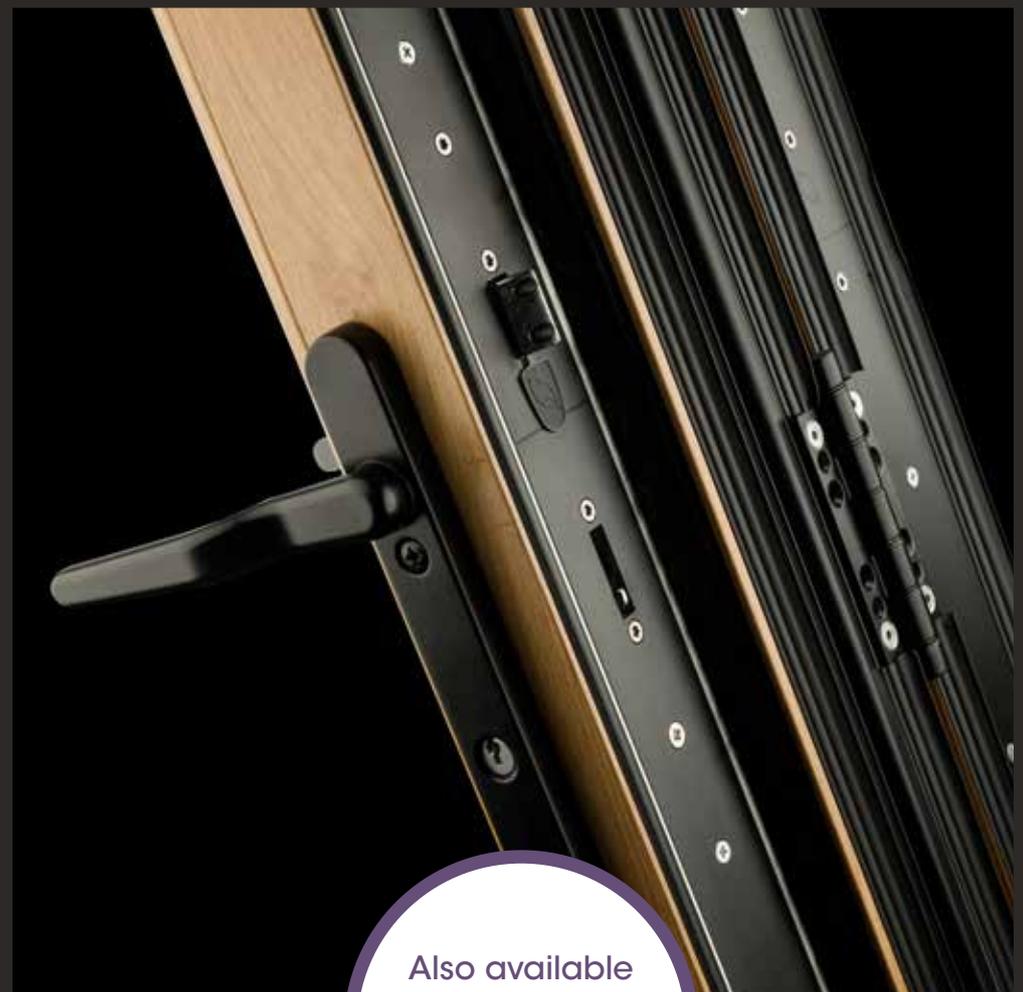
Designed from the ground upwards with thermal efficiency firmly in mind, the Alumina system breaks the usual rules of standard aluminium bi-fold doors and addresses tomorrow's performance requirements today.

An innovative combined lock and thermal insert, or barrier, gives the Alumina door a supremely high energy rating and U-values as low as 1.2 W/m<sup>2</sup>K. The Linar design team has combined the ultimate specification of security with a high strength engineering polymer lock body – so the lock itself acts as a thermal break, boosting the door's thermal performance compared to traditional aluminium doors. With configurations spanning up to 7 panes across, and each individual sash up to 1.2 metres wide and 2.5 metres high, your Alumina bi-folding door can open up an entire wall of your home up to 6 metres in width.

The doors are bottom rolling to ensure no additional stress is placed on the building's lintels, with stainless steel rollers guaranteeing a light, smooth operation along the bi-fold track. You can choose from three different thresholds for your Alumina bi-fold; it's supplied as standard with a rebated aluminium frame that runs continuously around the doors to form the most weathertight seal; you can select an aluminium low threshold which is just 23.5mm high at its highest point, for a seamless entrance and exit to your home; or add a tray to make the doors Part M compliant for wheelchair access and family living.

#### Options at a glance:

- Aluminium frame with patented polyamide lock
- Sculptured (curved) or chamfered (bevelled)
- 28mm double glazed or 36mm/40mm triple glazed units
- Part M compliant low threshold available
- Wide choice of foiled frames from stock
- Or sprayed in the colour of your choice
- Choice of black, white, dark and light chrome and gold handles.

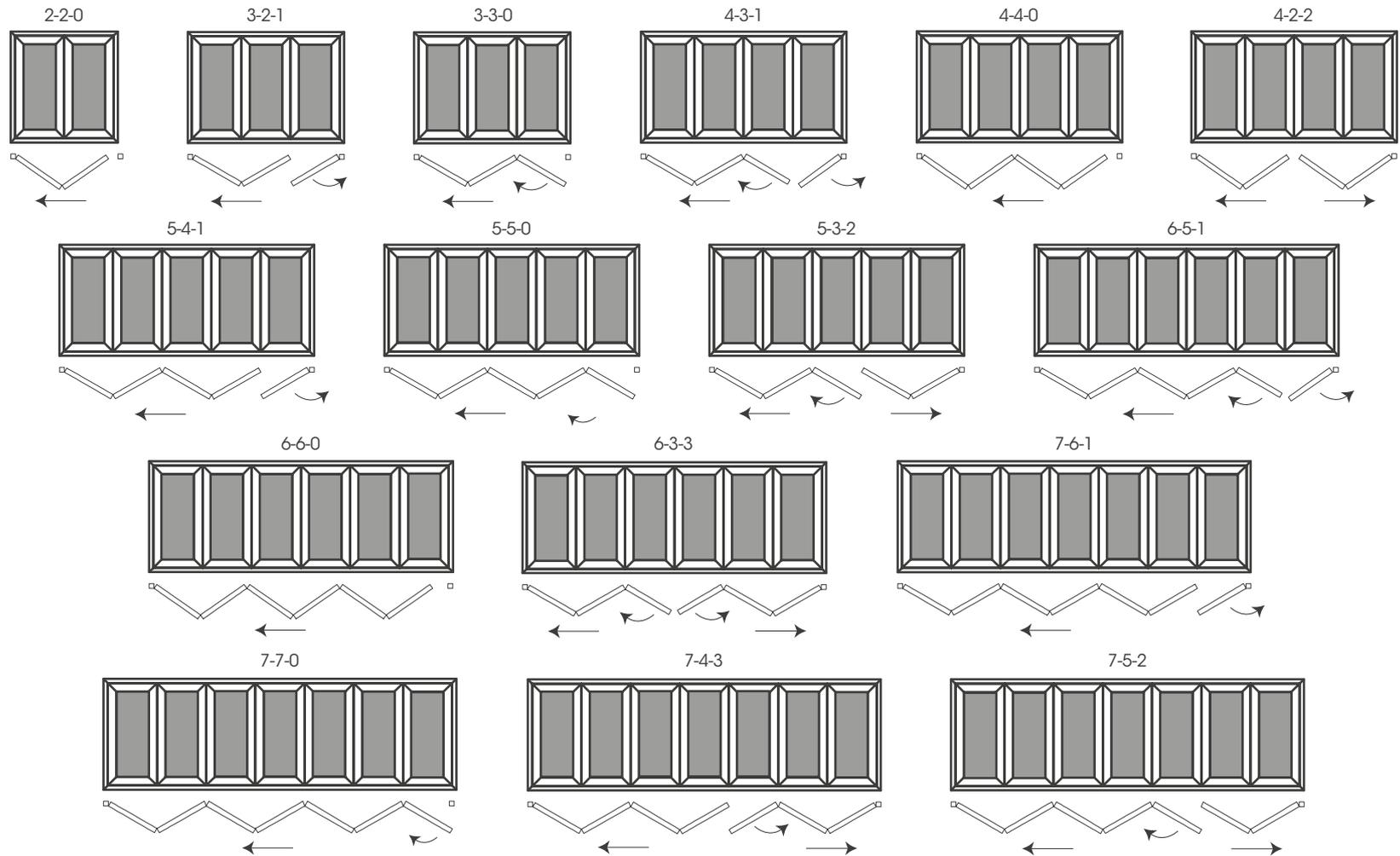


Also available  
as a residential  
door or set of  
French doors

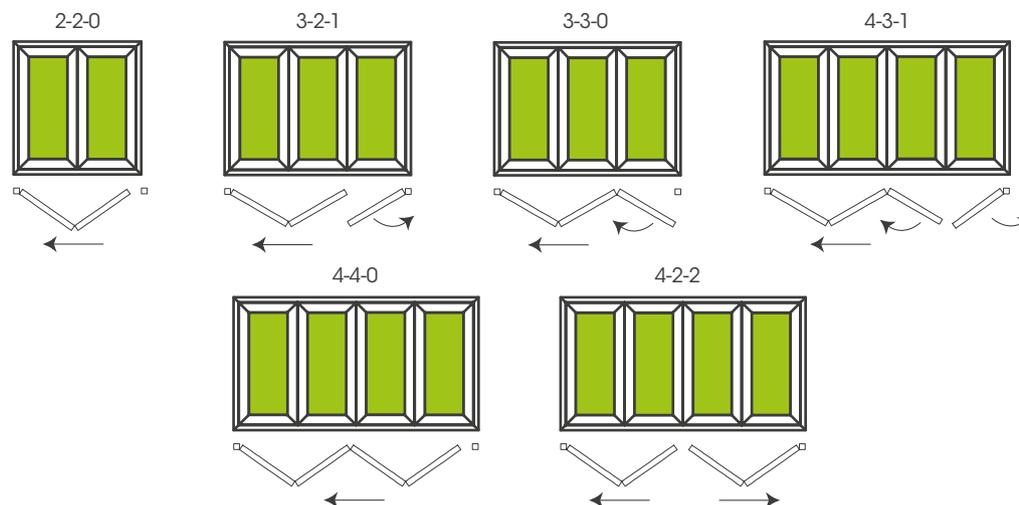


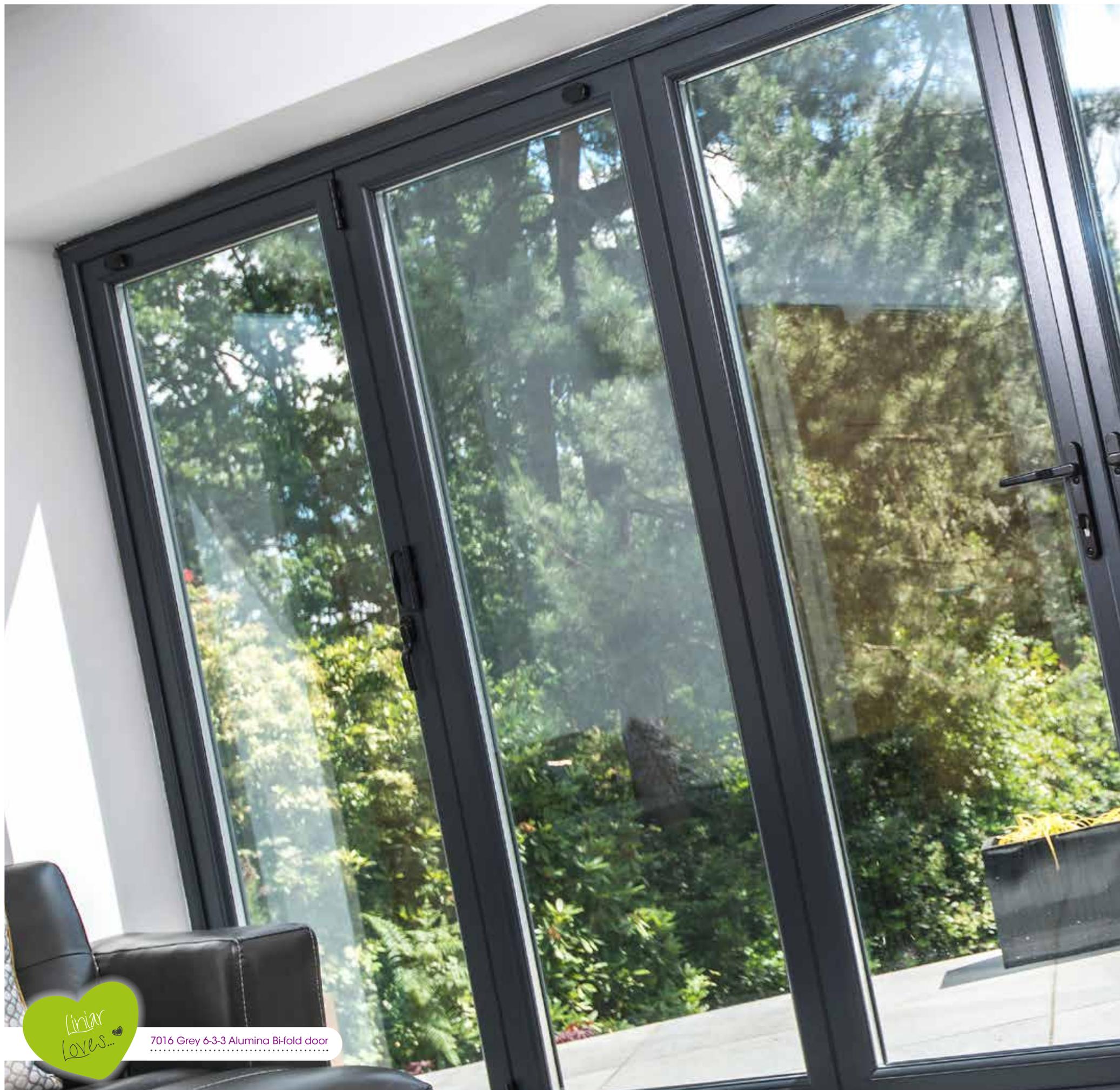
# ELITE WINDOWS

## Alumina configurations

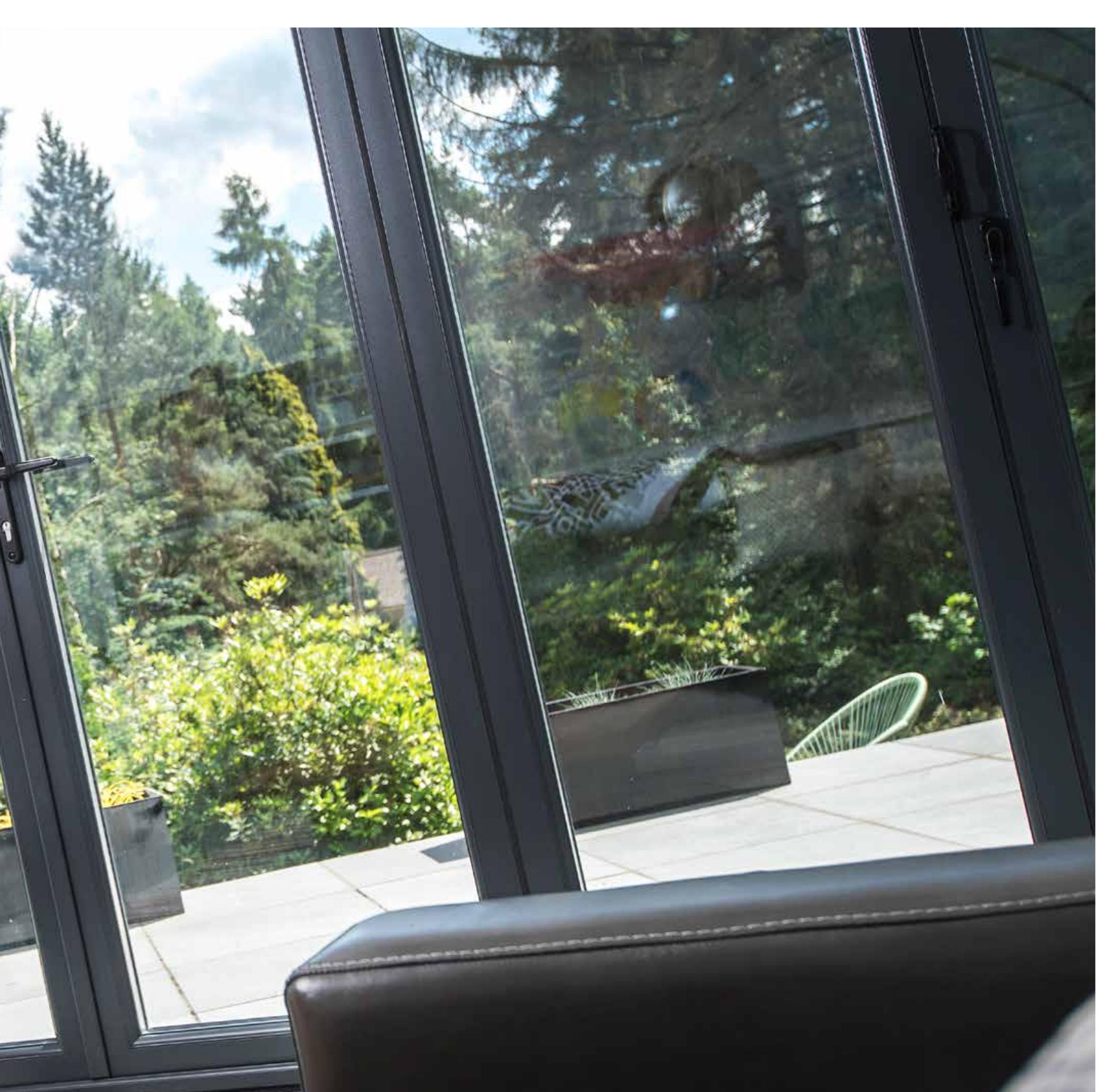


## Standard configurations





7016 Grey 6-3-3 Alumina Bi-fold door







## ELITE WINDOWS

### The energy efficient conservatory

Create additional space in your home with a fully matching conservatory.

Liniar's EnergyPlus conservatory roof is available in a stunning range of colours from stock and is designed to match perfectly with the rest of the Liniar window and door ranges.

With a host of patented innovations, including twin-walled EnergyPlus top caps, patented glazing slip prevention (*patent granted: GB2378207*) and built-in security features, a Liniar conservatory will add value to your home and offer additional space for you and your family to enjoy, all year round.

Each Liniar conservatory is lovingly designed and built to your specific requirements and is available in a wide number of styles, shapes and configurations.

#### Why choose a conservatory?

- Thermally efficient, your Liniar conservatory can be used all year round.
- Fully bespoke, each roof is individually designed and built just for you.
- Patented design features help to make the system 'best in class'.
- Matches perfectly with the Liniar window range for a beautiful finish.

# ELITE WINDOWS

## Roof styles

Linear conservatories are available in a wide range of styles, including the most popular as shown below.



### Edwardian

Also known as Georgian, this style is square or rectangular with a high, sloping roof. Its imposing style and finishing touches allow you to maximise your living space.



### Lean-to

This style offers a simple, cost effective solution for bungalows and porches, allowing maximum space in an economical style, and is often a popular choice.



### Double hipped

With a pitched roof on both sides, this style strikes the perfect balance between style and a seamless fit with your home. The front facing pitched roof fits with most properties.



### Victorian

One of the most popular styles of conservatory, the Victorian consists of a bay front, a steeply pitched roof and ornate ridge details - with either three or five facets.



### Gable

Fully glazed right up to the apex, this style also has a square or rectangular footprint. Offering a stunning impact, this is often called the 'sun burst effect'.



### Combination

Offering the ultimate in flexibility, this style combines one or more styles to create the perfect shape for your home and garden.

# ELITE WINDOWS

## conservatory

Everything you need for the perfect conservatory - all matching from Liniar.

A conservatory is made up of several different components – usually brick walls or PVCu panels, with windows above, an entrance door to link it to your home and an exit door to open it up to your garden – along with a roof. On the exterior you'll see guttering and drainpipes, together with a decorative finish to the roof's apex.

When building a conservatory, your installer may use components from different manufacturers. However, this doesn't always guarantee a perfect colour match, and also means that if there is a problem further down the line, there may be several different points of contact at different manufacturers in order to rectify the situation.

By choosing to install a full Liniar conservatory, not only will you be covered by a straightforward, single 10-year profile guarantee, you'll be sure of every product matching – from a Liniar ModLok™ patio door to enter the conservatory, to casement and bi-fold windows along the sides and a ModLok™ bi-folding door with low threshold opening onto a beautiful decking area.

### Options at a glance:

- Fully bespoke and made to order
- Wide choice of styles, design and colours
- Choose self-cleaning, solar control or uncoated glass
- Polycarbonate roofs also available
- Traditional finials or contemporary blanking trim
- Standard tie bar or contemporary stainless tie wire





# ELITE WINDOWS

## Lantern Roofs

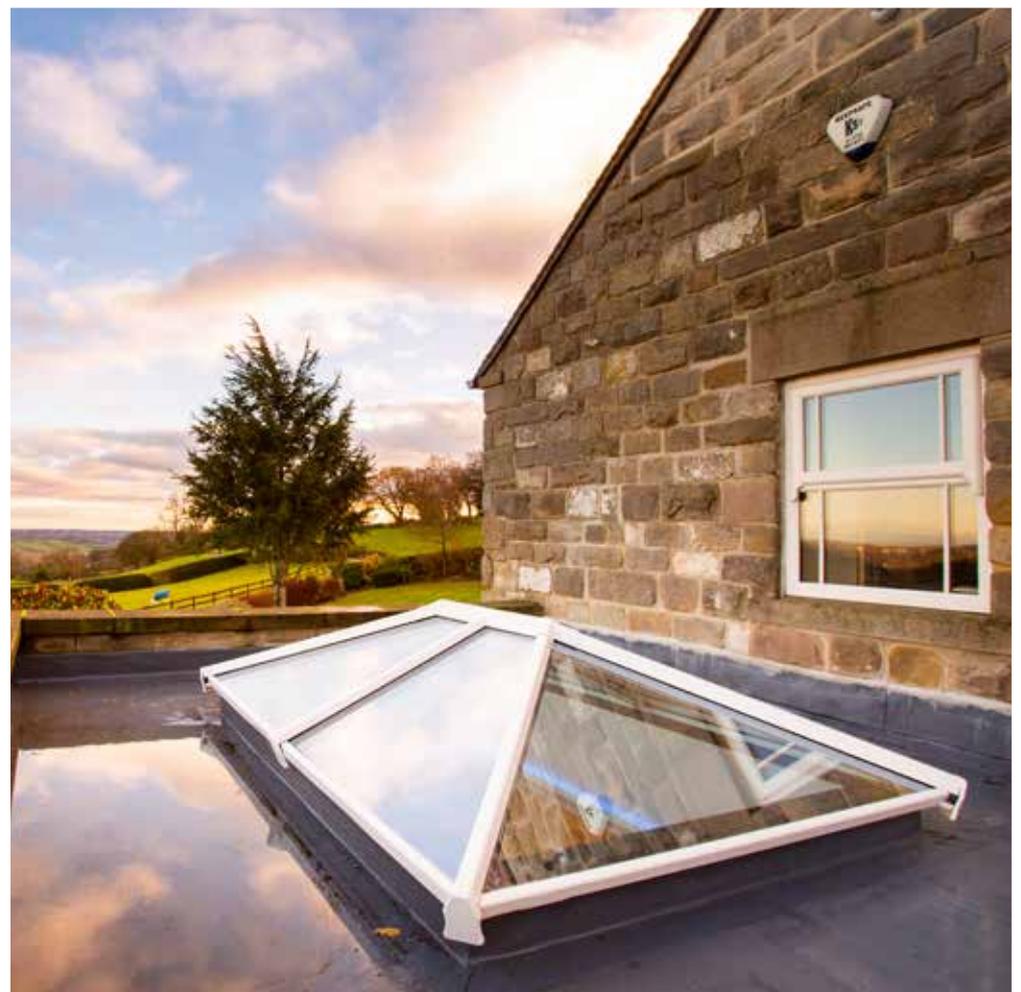
Illuminate your expectations.

Bringing natural light into your home has never been easier – or more beautiful. The Elevate lantern roof is perfect for illuminating kitchens, dining areas and even indoor swimming pools. Elevate is the sophisticated cousin of the traditional lantern roof, with more glass, slim sightlines and heightened energy efficiency.

Lantern roofs have been popular since the 19th century, with many featuring in estates, manors and even in the prestigious Kew Gardens. Ideal in orangeries or flat roof extensions, the Elevate lantern roof comes in both the traditional rectangular shape as well as a more modern square. Arriving with Linar's EnergyPlus twin-walled caps as standard, the Elevate lantern roof provides exceptional thermal efficiency, lowering monthly energy bills.

Available in 36 colour combinations, the Elevate lantern roof is designed to match the full Linar suite of windows and doors perfectly. Elevate comes in kit format, perfect for self-builders and installers, and comes with everything needed to get the job done. Foiled variants include the top and end caps for a sleek, seamless finish.

Add height and light in your home with a double hipped or square Elevate roof, whilst adding the benefit of copious amounts of natural light. Designed and made to your exact specifications, the Elevate lantern roof will raise your glazed roof expectations.





## Why stick to white?

The Liniar range comes in a wide variety of colours and finishes.

The basic Liniar PVCu profile is available in not just white, but also cream, caramel, brown and black substrates to offer a personalised appearance\*



– or why not change its appearance completely by choosing one of our authentic foil finishes?

Liniar's coloured and woodgrain effect foils are factory fitted at the production stage, so you can rest assured of a perfect finish. Guaranteed for a minimum of 10 years, foiled PVCu is a low-maintenance alternative to timber

as it won't rot or need repainting; all it requires is an occasional clean with soapy water.

Every Liniar product is available in a wide choice of coloured foils, applied in house using high tech equipment. In addition to standard colours, you could select a completely bespoke colour and finish from the huge range available. You can even choose to have the foil applied on just the interior or exterior if you prefer.

Please ask to see a Liniar foil swatch booklet to help you select the perfect colour choice.

For the range of foiled finishes available on the Alumina bi-fold, please see the separate swatch booklet or brochure.

# ELITE WINDOWS

colour range

## Neutrals



## Greys



## Woodgrains



## Metallics



## Primary



## More options to consider



### Georgian Bars

Unlike other astragal bars, Liniar Georgian bars are designed to simply snap into place before glazing and won't fall off. They also offer a more authentic appearance than adding aluminium bars within the sealed unit.



### Thresholds

All Liniar doors are supplied as standard with PVCu outer frame and optional cill. You can also select a standard aluminium low threshold or a Part M compliant full or half aluminium threshold.



### Arches

Liniar PVCu profile can be shaped to give your installation a truly bespoke appearance. Offered by a limited number of specialists, arching can add modern or contemporary styling.



### Patterned Glass

A huge range of etched and patterned glass is available in both double and triple glazing for your Liniar windows, doors and sidelights.

## Fire exits

It's important for every homeowner to plan an exit route in the unlikely event of a house fire. Liniar French and Tilt & Turn windows are ideal to provide a practical solution for your family's safety.

## Child safety

If your windows are intended to open fully, you may wish to fit child restrictors for additional safety for your family. Child restrictors can be fitted to almost any Liniar window.

## Hinge guards

Optional hinge guards add a further level of security to your Liniar windows and help to prevent the moving sash from being forcibly opened from the outside.

## Handles

Locking handles should be fitted for maximum security – and the choice of colours, styles and designs is almost endless.





## ELITE WINDOWS

### The finishing touch

Complete your window installation with perfectly matching roofline products, by choosing Liniar's high quality fascias, soffits and trims.

#### Thicker and stronger

Manufactured in-house by Liniar, all fascia boards are made using the latest advancements in extrusion equipment and technology, ensuring the highest quality.

At 20mm thick, instead of the customary 16mm, Liniar's fascia boards provide greater strength than other boards. Longer return legs and extra cover on mouldings help the installer to fit them more quickly. And pricing is competitive, with the thicker 20mm boards being similar to 16mm prices elsewhere.

#### Fully matching

Liniar's boards and trims are available from stock in the same choice of foiled colours as the Liniar sculptured window suite, with special colours and finishes also being available with a longer lead time.

Mouldings will be foiled to match for a perfect finish to installations.

#### A single guarantee

As the range is covered by Liniar's 10-year guarantee against discolouration, warping or splitting, it makes sense to order all Liniar products for a single point of contact.

## 7 great reasons to Choose Elite and Liniar

**Innovative** - continued investment in infrastructure, technology and a great team of people results in forward-thinking designs.

**Energy efficient** - designed from scratch to achieve the pinnacle of thermal performance and retain more heat in your property

**Safe and secure** - engineered with built-in security features and approved by independent testing facilities

**British made** - frames are extruded in our state-of-the-art factory in the heart of Derbyshire

**Lead free** - all Liniar profiles are extruded using materials that are 100% lead free

**Quality assured** - backed with ISO 9001 accreditation for your peace of mind

**Guaranteed** - all Liniar frames are guaranteed to not warp, split or discolour for a minimum of 10 years



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