



# Traditional vs. contemporary

the Liniar Flush Sash window system





# The Liniar Flush Sash

Introducing low maintenance PVCu windows with a timber appearance.

Traditional PVCu casement windows are usually easy to spot, thanks to the opening sash overlapping the frame.

However, with Liniar's flush sash system, there's no overlap – meaning the exterior of the window remains sleek and unobtrusive. The design is reminiscent of a traditional, pre-1932 timber window and is increasingly popular in conservation areas as a result.

Depending on the colour or foil finish you choose, the flush sash range can offer a modern, contemporary appearance too – so it complements almost every property style.

The Liniar Flush Sash window system incorporates a host of innovative and unique features - sure to give your property a beautiful appearance with 'kerb appeal'.

Like the rest of the Liniar range, the flush sash system has been designed from scratch by a team of experts, with A+ energy ratings and U-values as low as 0.9 W/m<sup>2</sup>K.

Read on to find out more about the flush sash range and visit [www.liniar.co.uk/windows/flush-sash](http://www.liniar.co.uk/windows/flush-sash) to choose your own colour and style.

## Thermally efficient

One of the most effective ways you can save energy within your home is through installing energy efficient windows and doors.

Whether double or triple glazed, Liniar flush sash windows outperform most of the other leading windows in the UK – mainly due to their innovative PVCu multi-chambered and symmetrical profile design.

The BFRC Scheme is the UK's national system for rating the energy efficiency of windows and is recognised within the Building Regulations as a method of showing compliance for your windows installation. The rating scale runs from G right up to A++ and indicates how well a product will:

- help you contain and conserve heat within your building in the winter
- keep out the wind
- resist condensation.

Liniar flush sash windows and doors can achieve an 'A+' rating\*, which means you'll be able to enjoy a warmer and quieter home as well as lower energy bills.

\* individual stockists may offer different ratings







## Safe and secure

The Liniar flush sash window range offers complete flexibility, whatever the room or the size of opening you need.

Your home should be a safe haven – that’s why all Liniar products are designed, tested and certified to meet the highest standards of security.

Liniar manufacturers offer a wide range of locks and hardware on their windows, and you can rest assured that the design features built into a Liniar product will offer the maximum security to your home.

Child restrictors can be fitted to almost any Liniar window to give you extra peace of mind that your little ones will be safe – you can get more details from your Liniar stockist.

# Fully accredited



## 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.



## BS EN ISO 9001:2008

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



## 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.







## Colour options

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.

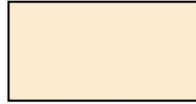
Every Liniar product is made in a wide choice of stocked coloured foils, ensuring short lead times when your project is urgent. If you're not in a rush, you could select a completely bespoke colour and finish from the huge range available. You can even select the substrate colour and choose to have the foil applied on just the interior or exterior only if you prefer.

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

### Standard foils



White Foil



Cream Foil



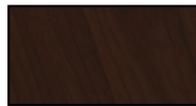
Chartwell Green



Irish Oak



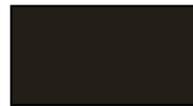
Golden Oak



Rosewood



7016 Grey



Black

### Special foils



Cedar



Oregon



Anteak



Sapeli



Mahogany



7038 Grey



7155 Grey



7012 Grey



7015 Grey



7016 SM Grey



Blue



Dark Green



Dark Red

All colours are representative only - please ask to see a Liniar foil swatch booklet for accurate colours and finishes.

\* Not all Liniar products are available on all substrates - please refer to the Liniar foil swatch booklet.

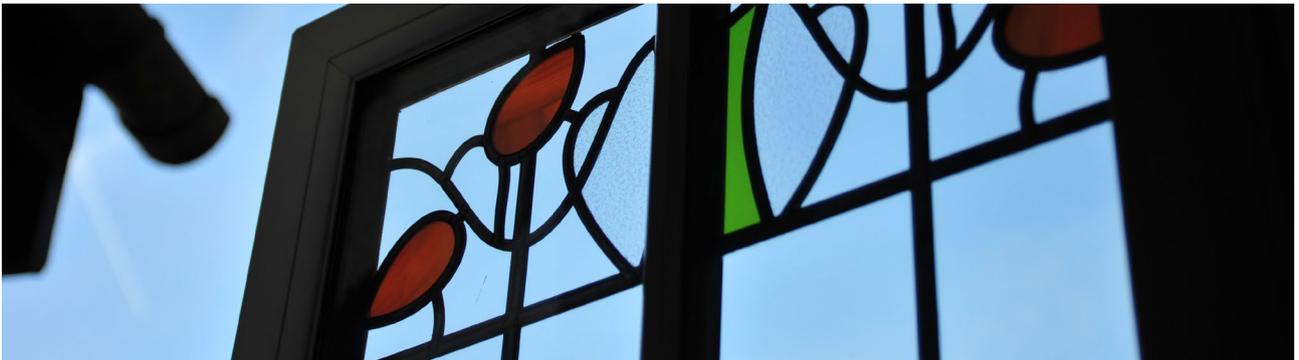
## More options to consider

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### Multi-coloured frames

Why not break all the rules and choose different foiled colours for the outer frame and sash of your windows? This can result in a truly eye-catching installation.



### Double or triple glazing

The flush sash system is available with your choice of 28mm double or triple glazed units, depending on the energy rating you'd like to achieve. Consult your fabricator for more advice on glazing options.

## Georgian Bars

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

## 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.

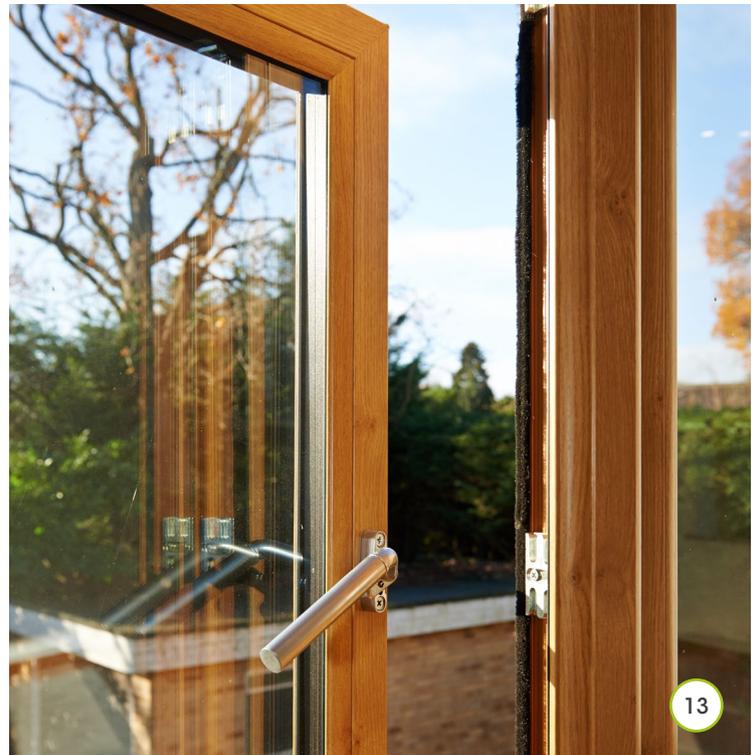
## Hinge guards

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. Ask your installer to show you the full range offered.

Finished window and door products are manufactured by independent Liniar fabricators, who can offer a wide range of finishes including glass, handles and hardware. Please see your local fabricator for more details about specific requirements.





## About Liniar

The most up-to-date system on the market.

Liniar was created by bringing together some of the most knowledgeable and forward thinking designers and experts in the window industry – with more than 500 years of experience between them.

HL Plastics Ltd, the company behind the Liniar brand, is an award-winning Derbyshire firm. Continued investment in infrastructure, technology, machinery and a great team of people has helped Liniar to become one of the market leading window systems with a customer base of specialist fabricators all over the UK, all creating beautiful products to supply to installers and homeowners.

The design team behind the Liniar brand is constantly pushing the boundaries of product innovation, with a focus on research and new products in development all the time. As a result, Liniar has developed a well-earned reputation within the window industry for innovation.

By being agile and responsive to customer feedback, Liniar has developed an impressive portfolio of products.



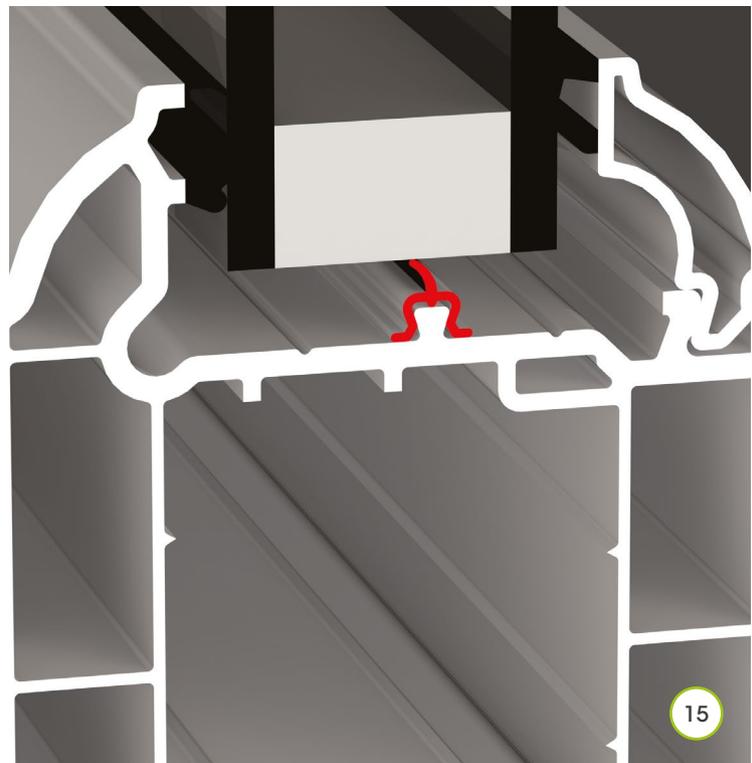
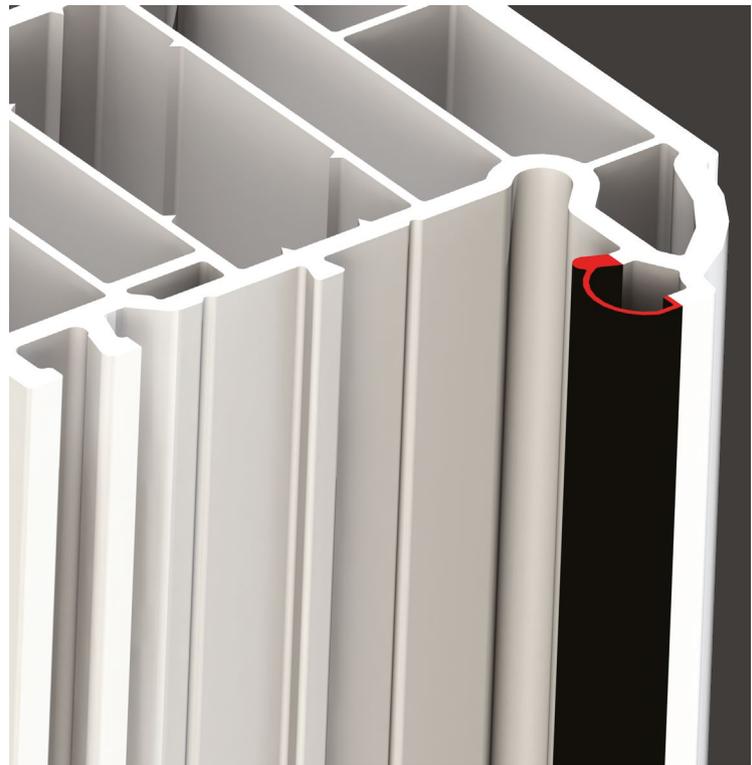
## Liniar innovation

A common cause of draughty, whistling windows in the past has been the result of issues with the gasket.

Many PVCu window systems make use of co-extruded gaskets, most adapting existing profiles to the process. Starting from scratch, the Liniar team had no constraints, and spent a significant amount of time developing its patented bubble gasket to outperform all others.

The rubber seal is expected to achieve two very different tasks – to work as a weather seal, keeping the elements at bay, and also as a glazing stop, ensuring the glass remains securely in place. Traditionally, the gaskets used throughout the industry attempted to perform both of these duties and failed to do either properly.

When the Liniar system was created, we set about to correct this. Our patented, dual-action bubble gasket performs equally well as a soft dynamic seal on opening sashes, as it does as a firm glazing gasket for sealed units. Its tolerance friendly design always ensures a whistle-free seal, both inside and out.



## Matching products

The Liniar system has been developed by an innovative design team, resulting in a wide range of matching products for the whole property.

When you order Liniar products from the same installer, you'll not only get a perfect match – your installation will be covered by a single point of guarantee.

Please see [liniar.co.uk/about/guarantees](http://liniar.co.uk/about/guarantees) for more information.



### Doors

The Liniar range of PVCu front doors is designed to match perfectly with windows to create a co-ordinated appearance and a draught-free entrance to your home.



### Windows

The Liniar system is the most technically advanced PVCu profile in the UK – and casement windows can achieve an A+ Windows Energy Rating with double glazing and A++ with triple glazing.



### French Doors

Liniar's stunning range of PVCu French doors comes with the same high specification and colour options as its window range, with patented low and ultra-low threshold options.



### PVCu Bi-Folding Doors

The Liniar PVCu bi-fold is also available with patented ModLok™, offering extra security and additional strength by seamlessly combining reinforcement to fully open up your room.



### Alumina Bi-Folding Doors

Liniar's unique aluminium bi-fold door, Alumina spans apertures up to 6.5m wide, with sashes up to 1.2m wide and 2.5m high - and can even be fully foiled.



### Patio Doors

You'll be amazed at how different the stunning Liniar patio range is from traditional patio doors, with its ergonomic design, effortless opening mechanism, smooth motion and noiseless.



### Conservatories

Using the latest technology to bring you the most energy efficient glazed roof system in the UK, the Liniar roof is available in a huge choice of styles, shapes and designs.



### Soffits and Fascias

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



### Decking

Liniar decking is perfect for a low maintenance finish - with plain or foiled balustrades and a range of woodgrain deckboards.



### Fencing

Liniar's ranges of PVCu fencing, decking and piling products offer a high quality, low-maintenance option for landscaping.



### Piling

With five styles of piling for a range of applications, including Liniar's innovative log pile, which provides an attractive finish for any retention project.



# 7 great reasons to choose Liniar

**Innovative** - the only entirely new PVCu window and door profile system to be developed in the last 10 years

**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



Your Liniar stockist is:

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