



Add the 'wow' factor  
with the Liniar bi-fold range





Established by Royal Warrant in 1965, the Queen's Awards for Enterprise are the highest official UK awards for British businesses – and Liniar joined a very select group to be honoured by Her Majesty in 2017.

The unique design of the ModLok™ bi-fold earned the doors a Queen's Award for Enterprise in Innovation, making Liniar one of only approximately 1,400 companies bestowed with the honour in its 51 year history.

# Add the wow factor to your home

Imagine being able to open up an entire wall of your room, creating space and letting fresh air and natural daylight flood into your home.

Whether you have a bedroom with Juliette balcony, a dining kitchen, a conservatory or an orangery, bi-folding doors can provide a stunning alternative to patio or French doors.

Liniar's bi-folding doors were the first fully bespoke PVCu bi-folds to be designed, engineered and made in the UK – and we believe they are still the best.

Available in a wide choice of opening configurations and colours, your Liniar bi-fold has ultra-slim sightlines, providing your room with a clean, modern appearance. Safety features include the innovative low threshold option for family friendly and wheelchair use, meeting Part M building regulations.

What's more, the Liniar bi-fold offers high energy efficiency, combined with the best security features on the market – bringing you a modern space-saving solution for your home that will definitely give it the 'wow' factor. Choose from standard or ModLok™ bi-folds - see pages 10-15 for the styles and configurations available.



U-values as low  
as **1.0 W/m<sup>2</sup>K**

## Helps to keep the heat in

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

Liniar frames outperform most of the other leading brands in the UK when it comes to thermal efficiency – mainly due to our innovative PVCu multi-chambered profile design.

The thermal efficiency of a door is measured in U-values, which demonstrate how effective the door is at preventing the transfer of heat into and out of a building.

The lower the U-value, the higher the doors' effectiveness at keeping the heat inside your home when it's cold outside.

The Liniar bi-fold door can achieve a U-value of 1.0 W/m<sup>2</sup>K, meaning you'll be able to enjoy a warmer and quieter home as well as lower bills.

Furthermore, Liniar's patented bubble gasket is co-extruded as part of the manufacturing process – meaning seals aren't fitted separately and therefore unlikely to leak. A continuous seal all the way around the frame eliminates draughts and provides resistance to water.





## Designed for today's challenges

Built to create the perfect summer ambience, it's equally as important that our doors withstand the worst of the British winter weather.

We've rigorously tested our bi-folding doors to make sure they exceed the appropriate British Standards for weather performance. We also subject our doors to a regime of robot cyclic testing in our purpose-built laboratory, making sure all mechanical parts will stand up to the repeated operation necessary for daily living.

### At a glance:

- Weather tested with low threshold
- U-values as low as 1.0 W/m<sup>2</sup>K
- Cyclic tested to >10 times British Standard
- PAS24 and Secured by Design





## A grand design

Bi-folding doors are becoming more popular than ever before, thanks in part to their regular appearance in television home make-over and lifestyle programmes.

Timber or aluminium are often perceived as the only materials that can be used for bi-folding doors, but doors made from lead-free PVCu can actually offer many more benefits:

- Smooth operation
- Higher thermal efficiency
- Low maintenance
- Perfectly matches your other doors and windows

With Liniar's foiled woodgrain-effect options, your bi-folding doors can have the appearance of timber, without the need to repaint them each year. If you choose our flat grey frames, your bi-folding doors will rival the most contemporary aluminium range on the market, keeping your home much warmer at a more cost effective price.

Liniar's innovative and patented ModLok™ bi-folding door offers even greater strength and rigidity, combining all of the structural benefits of aluminium with the energy efficiency of PVCu.

Discover why more and more people are choosing Liniar's bi-folding doors to add an extra dimension to their homes.



## Your home, your choice

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

Manufactured in our decorative sculptured profile, Liniar bi-folding doors are available in a wide variety of colours and styles.

With options from two to seven panes, all with our beautiful, super-slim sightlines, you can also choose how many doors fold back to each side of the frame.

The Liniar standard bi-fold door range is available in 6 configurations whilst the Liniar ModLok™ bi-folding door range offers an even greater number, with 12 configuration options due to its additional strength and rigidity.



An exciting concept, the ModLok bi-fold has a unique modular exoskeletal combined lock and aluminium reinforcement to encase each PVCu pane.

This provides unparalleled strength and limits expansion, contraction and movement resulting in a PVCu bi-fold that acts as an aluminium door.







## Bi-Fold door configurations

The Linear bi-folding door range has a wide variety of options when it comes to sizes and opening configurations – with the Standard range available up to 4 panes wide and the ModLok™ version up to 7 panes wide.

Our door pane numbering works like this:

- The first number shows the number of doors in total within the frame.
- The second number shows the majority of doors folding back to either left or right.
- The third number shows the balance of doors opening in the opposite direction.

So, a 4-3-1 bi-folding door would be four panes wide, with three doors folding back to one side of the frame, and a single opening door on the other.



If you know the rough measurements of your aperture, you can see the configuration options available to you using the table below. Find the nearest width across the top, and look down the relevant column to ascertain the choices available.

Alternatively, if you've already decided on a certain configuration, look across from the number of doors to find the approx opening width required. Please note: this table is for guidance only; each set of Liniar bi-fold doors is made to order to your own exact measurements.

All bi-fold can be manufactured to open inwards or outwards.

	0.6m	1m	1.2m	1.4m	1.6m	1.8m	2.0m	2.2m	2.4m	2.6m	2.8m	3.0m	3.2m	3.4m	3.6m	3.8m	4.0m	4.2m	4.4m	4.6m	4.8m	5.0m	5.2m	5.4m	5.6m	5.8m	6.0m	
2 doors			Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled																					
3 doors					Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled																
4 doors									Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	Standard Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled											
5 doors													ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled								
6 doors															ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled	ModLok™ Bi-Fold Substrate and Foiled
7 doors																		ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only	ModLok™ Bi-Fold Substrate only

 Standard Bi-Fold  
Substrate and Foiled

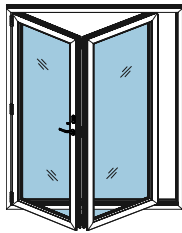
 ModLok™ Bi-Fold  
Substrate and Foiled

 ModLok™ Bi-Fold  
Substrate only

Max sash height - 2.1m. For bi-folds with a height of up to 2.5m, please take a look at Alumina by Liniar.

## 2 pane (Standard and ModLok™)

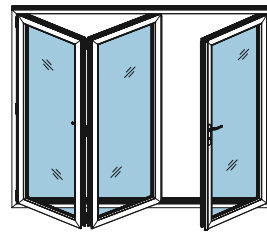
2-2-0



Our smallest bi-folding door, 2-pane sets are ideal for openings from 1.5m wide and open inwards or outwards, with both doors folding to one side. Ideal for juliet balconies.

## 3 pane (Standard and ModLok™)

3-2-1



With three panes, you can choose all three doors folding back to one side (3-3-0), or two folding panes with a single access door (3-2-1).

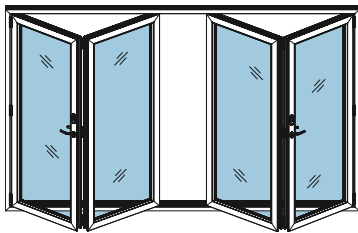


3-3-0



## 4 pane (Standard and ModLok™)

4-2-2



There are three choices for 4-pane door sets; a single access door (4-3-1), all four panes folding back (4-4-0), or the more symmetrical 4-2-2 where two doors fold out to each side from the centre.



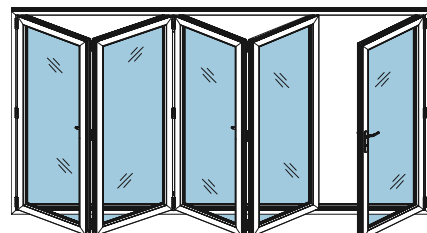
4-3-1



4-4-0

## 5 pane (ModLok™ only)

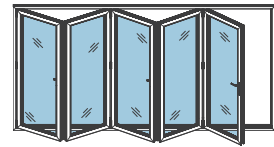
5-4-1



With 5-pane doors, choose from a set with a single access door (5-4-1), all five panes folding back (5-5-0) or three panes folding from one side and two from the other (5-3-2).



5-3-2

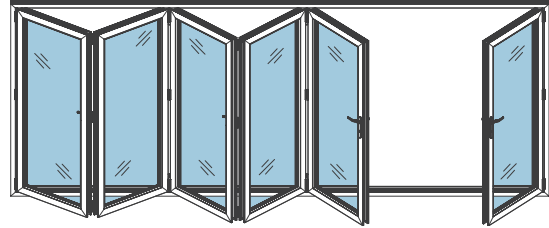


5-5-0

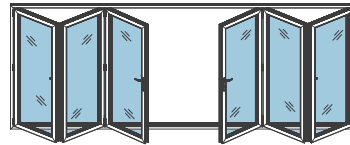


## 6 pane (ModLok™ only)

6-5-1



Select from three options for 6-pane doors; a single access door (6-5-1), all six panes folding back (6-6-0) or the more symmetrical 6-3-3 where three doors fold out to each side from the centre.

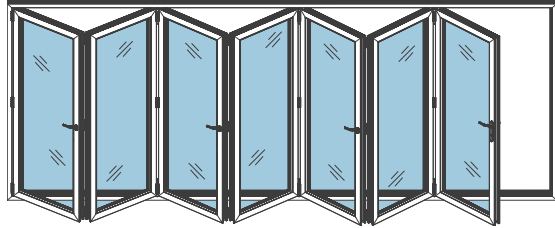


6-3-3

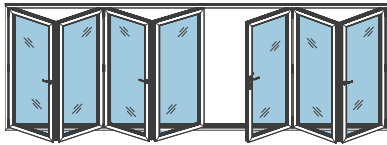


6-6-0

## 7 pane (ModLok™ only)



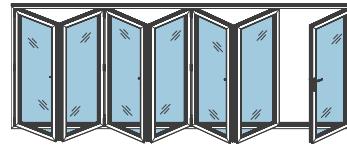
Wider configurations offer the most choice – so select from a set with a single access door (7-6-1), all seven panes folding back (7-7-0) or a combination of folding doors (7-4-3 and 7-5-2).



7-4-3



7-5-2



7-6-1



## Designed for living

Liniar's bi-folding doors are crammed full of innovative design features.

With a set of Liniar bi-folding doors you can rest assured that you won't need to spend hours looking after them to maintain their beauty.

Our 10 year frame guarantee gives you the peace of mind that the colours won't fade – and not only that, you won't need to treat or paint them each year to keep them in tip top condition.

Just an occasional wipe down with soapy water is all they need to keep them looking their best.

The Registered Design protected Liniar low-threshold option creates a seamless entrance and exit, making it ideal for family homes. An optional tray to seat the low threshold creates an easy-access ramp for wheelchairs and prams - making it compliant with Part M building regulations.

Ultra-low, the Liniar threshold measures just 24mm at its highest point, with silver or gold finish available to perfectly complement the door hardware. And as it's thermally broken and weather tested, the low threshold ensures high energy efficiency is maintained.







## Uniquely designed

We've taken steps to protect our designs to ensure only our customers get all the benefits that come with choosing Liniar:

Community Designs	Patents
• 1680125-0001	• 1004047.5
• 1680125-0002	• 1004034.3
• 1680125-0003	• 1003001.3
• 1680125-0004	• 1306594.1

## Super smooth action

Your bi-folding doors are engineered to give you the reassurance that they won't bend or warp – whilst the super smooth rolling action makes them feel incredibly light.

Ergonomic handles are built in to each hinged section, making the doors easy and safe to operate for all age groups.

Liniar's patented roller mechanism is hidden inside each door, maintaining its sleek lines and giving all Liniar doors the most effortless glide action on the market. Discreet magnets ensure that when the doors are folded back, they will remain securely in place.

And with our ModLok™ range, only the "master" door will open first, so there's no chance of spraining locks by trying to open the wrong door.



Standard bi-fold

ModLok™ bi-fold

## Open up your business

Not just for the family home, Liniar bi-folding doors can bring a whole new dimension to your commercial or business property.

Maximise floor space at your pavement café by opening up an entire wall in the summer months, whilst knowing your energy efficient Liniar bi-folding doors will also keep in the heat during the winter.

Or give your showroom a new lease of life by installing Liniar bi-folding doors for ease of access together with the highest possible security.

With door-sets spanning up to 7 panes wide, the Liniar ModLok bi-fold is ideal for heavy duty and commercial use.

It's also Part Q compliant having sailed through PAS24 and Secured by Design testing.



## Safe and secure

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The shootbolt locking mechanism in each Liniar bi-folding door ensures the door is bolted firmly into the stainless steel track, maximising your security.

Built in anti-lift features, anti-bump cylinders and optional anti-snap cylinders combine to bring you peace of mind.

Liniar's bi-folding door range is also available with ModLok™, a new concept in locking technology.

ModLok™ is a highly innovative combined reinforcing and locking mechanism, bringing additional strength and rigidity to the doors and enabling you to have even wider configurations of bi-folding doors. ModLok™ also offers enhanced security features including 3 opposing hooks and 2 shootbolts built in to every master door, plus 2 anti-lift shootbolts on every slave door.

The Liniar ModLok™ bi-fold offers all the structural benefits of an aluminium door set combined with the thermal benefits of PVCu. For more information please visit [www.liniar.co.uk/modlok](http://www.liniar.co.uk/modlok).





# 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.



## 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.



## 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 lead-free Liniar PVCu profile used to manufacture our bi-folds 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.

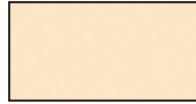
Every Liniar product is made in a wide choice of stocked coloured foils, ensuring short lead times when your project is urgent. If you're not in a rush, you could select a completely bespoke colour and finish from the huge range available. You can even select the substrate colour and choose to have the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

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

### Standard foils



White Foil



Cream Foil



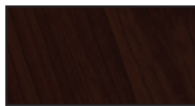
Chartwell Green



Irish Oak



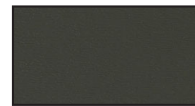
Golden Oak



Rosewood



7016 Grey

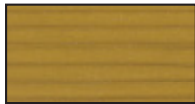


Gale Grey Finesse



Black Brown

### Special foils



Cedar



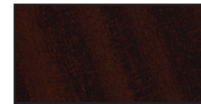
Oregon



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 switch booklet for accurate colours and finishes.

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



## Hardware and accessories

### Hardware

Liniar bi-folds feature stunning ergonomic hardware in a choice of five coloured finishes.

Designed by Liniar and sourced from the highest quality specialist hardware manufacturers, both main and slave door handles and hinges are available in the following colour choices:



White



Gold



Black



Dark Chrome\*



Chrome

Dark chrome only available on handles.



### Accessories

The design of the modular locking hardware ensures the Liniar bi-fold has a sleek exterior with a uniquely seamless finish around every single door pane.

In addition, the strong magnets that hold each folding pane in place are thin and discreet, allowing an uninterrupted view of the doors from the outside.

The slimline hinges have the fixings hidden inside, so they not only look beautiful but offer increased security as they can't be unscrewed from the outside.



### Threshold Options

The standard frame is available in colours to match your door - or choose our low threshold in silver or gold to co-ordinate with your door hardware. For a seamless finish inside your home, choosing a half threshold means your flooring or tiling can be fitted flush to your door.

Liniar's ModLok™ bi-fold has passed weather testing with the low threshold option - we believe this is unique.



### Easy Access Ramp

For wheelchair or push-chair users, the low threshold is also available with a matching tray, creating an easy access ramp.



### Folding Keys

Liniar's optional folding keys will fold back with your doors, staying hidden whilst being to hand - no more hunting around for lost keys!





## About Liniar

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

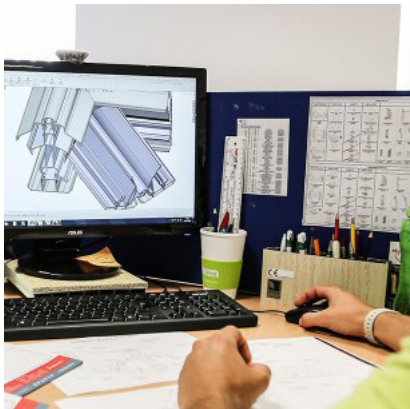
Liniar was created by bringing together some of the most knowledgeable and forward thinking designers and experts in the window industry – with more than 500 years of experience between them.

Liniar is an award-winning, long-standing 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.





## Matching products

Not just windows - 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.

All Liniar profiles are manufactured using tried and tested formulations from approved suppliers and are guaranteed for 10 years.

Some exclusions apply - please see [liniar.co.uk/about/guarantees](http://liniar.co.uk/about/guarantees) for more information.



### 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.



### 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.



### 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.



### 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.



### 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.



### 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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