

Sales Guide

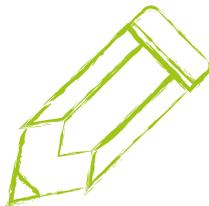
for the Liniar Range



#WorldClass



The Liniar brand has become synonymous with innovation; with 52 patents and registered designs to date, the list continues to grow..



The Liniar range is designed by experts with over 500 years of experience in the industry and tested by our in-house robot, Mark II.



Liniar products are lead-free, energy efficient, recyclable, made from recyclable material where possible and easy to transport.



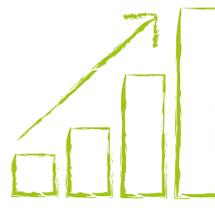
The full Liniar range is perfectly matched - with 8 stocked colours, unlimited specials and a single point of guarantee.



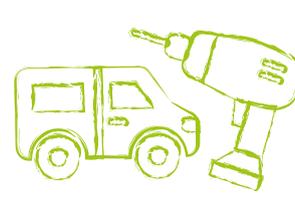
With a global parent company and a flat, friendly structure, Liniar meets the needs of customers large and small.



Our technical team provides expertise and advice on all products across the Liniar range for new and existing customers.



With continued investment in facilities, plant, tooling, machinery, new products and staff, rest assured we're here for the long haul.



Liniar's patented designs are built with the installer in mind - so all products are simple to fit, saving precious time on the job.

Discover Liniar

Liniar is the trademarked brand name for the range of products designed, tested and extruded in the heart of Derbyshire since 1974.

Liniar is part of the global Quanex Building Products group, alongside sister company Avantek Machinery, which provides a range of machinery and support to window fabrication companies all over the UK and Ireland.

Quanex is a New York Stock Exchange-listed company, and since becoming Liniar's parent in 2015, it has supported and helped retain its core values. These include product innovation, customer and employee loyalty, investment in the latest tooling technology and production facilities and product of the highest quality, fully matching products.

At a glance...

- 400,000 ft² of purpose-built facilities in Derbyshire; Denby Hall and Cotes Park
- 500+ customers in the UK and Ireland
- £100m+ Group turnover
- 11 foiling lines, including 2 'special' lines
- Around 40 million metres of plastic delivered per year
- Foam PVCu mixing plant has additional capacity for 14,000 tonnes per year
- 32 extrusion lines (5x twin strand and 1x quad strand)
- 3 injection moulding machines
- 600+ Group employees
- 250 extrusion and mould tools maintained
- Cooling pits under extrusion hall help us recycle 2.5 billion gallons of water per year
- PVCu mixing plant opened in 2014 with capacity to mix 60,000 tonnes per year

For the latest company statistics, please visit www.liniar.co.uk/at-a-glance



Liniar customers can benefit from Group deals with Avantek Machinery – put them in touch with the Avantek sales team to find out more!



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Routes to market

There are different supply chains for each Liniar product range.

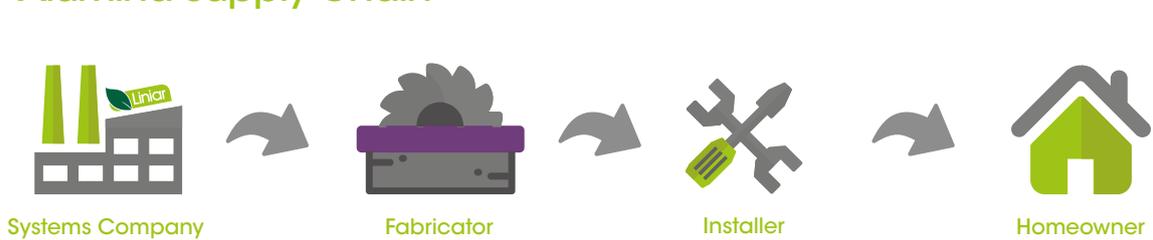
Windows, doors and roofs are manufactured by Liniar's fabricator customers and sold through trade counters and installers. Roofline, trims, decking, fencing and piling products are manufactured by HL Plastics and sold through a range of stockists, trade counters and installers throughout the UK and Ireland.

HL Plastics also produces bespoke kits for conservatory roofs, Alumina bi-folding doors and decking, which can be purchased through Liniar customers.

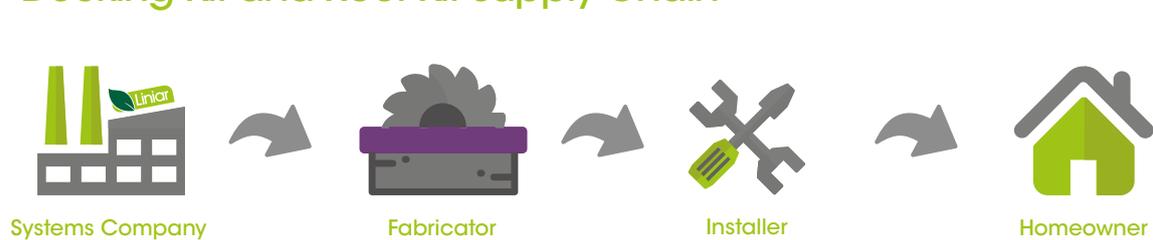
Window Supply Chain



Alumina Supply Chain



Decking Kit and Roof Kit Supply Chain



Decking, Fencing and Roofline Supply Chain



Quality and assurance

Liniar designs all its products with the highest quality in mind.

Maintaining the quality of Liniar products is of paramount importance – a Liniar product is not a Liniar product unless all of its components are HL Plastics Ltd approved. We are committed to supporting our customers in manufacturing the highest quality, fully accredited and guaranteed products.

With this in mind, we encourage all fabricators to apply to become Liniar Approved.

Liniar Approved Fabricators

Liniar windows and doors are manufactured by a wide network of fabricators across the UK.

In order to ensure consistently high standards across our product range, all fabricators are encouraged to become Liniar Approved.

They can apply for this accreditation after just 3 months fabricating Liniar systems, with the following criteria:

- The fabricator uses only Liniar as its main PVCu system.
- A signed Liniar Supply Agreement is in place.
- The fabricator's account is up to date.
- The fabricator has a dispute resolution process in place.



Audit Process

A stringent audit process will take place with a Liniar technical engineer, to confirm that all Liniar components are used and the finished products are in line with the recommendations in the Liniar's fabrication manual.

Once a fabricator has passed the audit, they will receive a Liniar Approved plaque and certificate. This status lasts for one year, when a re-audit will take place.



Warning

It is important to note that a Liniar product is not a Liniar product unless it contains all Liniar approved components.

Therefore, becoming Liniar Approved is the only way fabricators can receive sales leads from Liniar. In addition:

- Any unapproved or substituted components will render Liniar guarantees totally void.
- The sale of a product under the Liniar name that includes parts not supplied by HL Plastics will infringe our Liniar Registered Mark.
- Only Liniar specified and supplied products can be used in conjunction with Liniar-supplied test evidence for Part Q, Secured By Design and British Standards compliance.
- All thermal simulations on the Liniar website are based on Liniar specified and supplied components and are invalid where substitute products are used.
- Any products supplied for commercial contracts with non-approved components will not be supported by Liniar and further commercial support and lead generation will cease.
- Liniar technical support and calculations are carried out on the basis of fully Liniar products being supplied, but will be deemed void if non-approved components are found to be used.

Fabricators can apply for non-Liniar parts to be approved and written into their agreement, for commercial reasons – however, only parts which do not adversely affect Liniar's standard for the overall quality of the finished product will be considered for approval.

CORGI Fenestration

The Liniar Approved Fabricator scheme has been pre-approved with CORGI Fenestration. This means if fabricators apply for, and achieve, Liniar Approved status, their CORGI Fenestration registration will be quicker and cheaper.

Liniar became the first PVCu systems company to successfully achieve formal registration to the CORGI

Fenestration scheme in 2017, and its Liniar Approved Scheme has been verified by CORGI.

This means the CORGI Fenestration application process is vastly reduced, saving both time and money.

CORGI Fenestration registration demonstrates a commitment to qualified staff and quality products.

The whole supply chain is covered, unlike other schemes - giving homeowners peace of mind for a quality installation.

See <https://www.liniar.co.uk/corgi/> for more details.



Product guarantees

Wherever possible, each Liniar profile or product carries a guarantee to give customers peace of mind.

In order for guarantees to be valid, the finished product must contain ALL Liniar approved components. Guarantee claims should be made back through the supply chain in the first instance.

Please see individual product guarantees for more details.

Foils are covered by Renolit's own guarantees.



Product guarantee

Liniar guarantees are issued in association with its raw material suppliers and based on proven technology for UV-stabilised products.

All products must be installed to Liniar's recommendations.

For further details on individual product guarantees, please visit www.liniar.co.uk/guarantees.



Bi-Folding door guarantee

Liniar guarantees its Bi-folding door systems providing the product(s) comply with all of the following:

Manufacture

Product manufacture must comply with the latest issue of the Liniar 'Bi-fold Fabrication Manual' at the time of manufacture. Only Liniar parts must be used during manufacture, failure to do this will void all guarantees.

Installation

Installations must comply with all aspects of the latest issue of the Liniar 'Bi-fold Installation Manual' at the time of installation.

Maintenance

Details regarding required maintenance are specified within the latest version of the Liniar 'Bi-fold Installation Manual' and must be adhered to at all times after installation.

Liniar Bi-folding doors consist of a wide variety of components that cannot be covered under one guarantee and therefore are grouped below into respective qualifying periods:

PVCu extrusions – 10 years

All PVCu extrusions are manufactured using tried and tested formulations from approved suppliers and will not warp, split or discolour.

Moving parts – 5 years

All moving parts are guaranteed against failure. Details regarding the correct operational use of the product are documented within the Liniar 'Bi-fold Installation Manual.' Failure due to mis-handling will void all guarantees.

Hardware finish – 1 year

The guarantee applies to product finishes for 1 year but does not include faults caused by wilful or neglectful damage, excessive wear and tear and situations of atmospheric or installation conditions that may lead to accelerated finish breakdown.

Patio door guarantee

Liniar guarantees its Patio door systems providing the product(s) comply with all of the following:

Manufacture

Product manufacture must comply with the latest issue of the Liniar 'Patio Fabrication Manual' at the time of manufacture. Only Liniar parts must be used during manufacture, failure to do this will void all guarantees.

Installation

Installations must comply with all aspects of the latest issue of the Liniar 'Patio Installation Manual' at the time of installation.

Maintenance

Details regarding required maintenance are specified within the latest version of the Liniar 'Patio Installation manual' and must be adhered to at all times after installation.

The Liniar Patio door consists of a wide variety of components that cannot be covered under one guarantee and therefore are grouped below into respective qualifying periods:

PVCu extrusions – 10 years

All PVCu extrusions are manufactured using tried and tested formulations from approved suppliers and will not warp, split or discolour.

Moving parts – 5 years

All moving parts are guaranteed against failure. Details regarding the correct operational use of the product are documented within the Liniar Patio Installation Manual.' Failure due to mis-handling will void all guarantees.

Hardware finish – 1 year

The guarantee applies to product finishes for 1 year but does not include faults caused by wilful or neglectful damage, excessive wear and tear and situations of atmospheric or installation conditions that may lead to accelerated finish breakdown.

Alumina door guarantee

Liniar guarantees its Alumina door systems providing the product(s) comply with all of the following:

Manufacture

Product manufacture must comply with the latest issue of the 'Alumina Fabrication Manual' at the time of manufacture. Only Liniar parts must be used during manufacture, failure to do this will void all guarantees.

Installation

Installations must comply with all aspects of the latest issue of the 'Alumina Installation Manual' at the time of installation.

Maintenance

Details regarding required maintenance are specified within the latest version of the Alumina Installation manual' and must be adhered to at all times after installation.

The Alumina door system consists of a wide variety of components that cannot be covered under one guarantee and therefore are grouped below into respective qualifying periods:

Aluminium and PVCu extrusions – 10 years

All Aluminium and PVCu extrusions are manufactured using tried and tested formulations from approved suppliers and will not warp, split or discolour.

Moving parts – 5 years

All moving parts are guaranteed against failure. Details regarding the correct operational use of the product is documented within the 'Alumina Installation Manual'. Failure due to mis-handling will void all guarantees.

Hardware finish – 1 year

The guarantee applies to product finishes for 1 year but does not include faults caused by wilful or neglectful damage, excessive wear and tear and situations of atmospheric or installation conditions that may lead to accelerated finish breakdown.

Please seek approval for using Alumina products in 'special' conditions - e.g. swimming pools etc

Outdoor ranges

The Liniar Outdoor Range includes the following systems: Decking, Balustrade, Fencing and Piling. Liniar Limited provides the Product Warranty shown below, covering physical integrity and colour performance for up to 10 years – please visit www.liniar.co.uk/warranties for full details, conditions and exclusions.

The Liniar Outdoor Range Limited Warranty must be read carefully before any Liniar products from the Outdoor Range are installed. You must comply with certain instructions relating to installation and maintenance in order to claim under this Product Warranty.

Roofline guarantee

Liniar profiles are manufactured using tried and tested formulations from approved suppliers and will not warp, split or discolour for 10 years from date of installation.

This guarantee is issued in association with our raw material suppliers and based on proven technology for UV stabilised products. All products to be installed to Liniar recommendations.

Rainwater guarantee

Liniar rainwater products are currently sourced from Brett Martin, with all products covered under its comprehensive guarantee. More details can be found at www.liniar.co.uk/about/guarantees.

Building regulation compliance

We have all seen the shocking results that can occur when building products are manufactured with sub-standard parts or poorly managed construction techniques.

Building regulations exist to prevent such occurrences, and all Liniar products are tested to comply with the necessary kitemarks and accreditations so developers and homeowners can rest assured of their quality.

It should be noted that all Liniar testing takes place using full-size products, containing all Liniar components. If a fabricator does not use all Liniar-approved parts to manufacture a Liniar product, it cannot be guaranteed by Liniar.

Building regulations

Part B - refers to fire safety and is divided into 2 sections. Part 1 addresses dwellings (residential buildings shared by 6 or less people) and Part 2, buildings other than dwelling houses.

Part F - details ventilation requirements to maintain indoor air quality. The key aim is to provide a ventilation system capable of limiting accumulation of moisture and pollutants.

Part L - refers to conserving fuel and power by raising the energy performance of a building.

Part M - requires the inclusive provision of ease of access to buildings, together with requirements for disabled access.

Part Q - covers the security of dwellings and refers to new dwellings and change of use. It covers the standard of security for windows and doors, which must shown by test to meet the requirements of PAS24.

The importance of compliance

A Liniar product is not a Liniar product unless all of its components are Liniar approved.

Any fabricator using substituted components in such products must re-submit products through the strict testing process, at their own cost, before claiming compliance.

It's important to remember that if this leads to a product failing which causes damage including death, personal injury or any loss of or damage to

personal property, then in addition to civil liability for damage caused by a defective product, the companies responsible, including their directors, may be held to be criminally liable which may result in an unlimited fine or imprisonment.



Specifying Liniar

Architects and Specifiers are encouraged to visit the specifier's centre at www.liniar.co.uk/specifiers, where they can find a host of information, including requesting a hard copy of the Liniar Specification Guide.

Liniar products are featured on RIBA's NBS Plus and Product Selector to make specification easier.

In addition, Liniar provides a Windows Energy Rating calculator where specifiers and fabricators can calculate the WER values of a specific window and download a PDF copy for their customers.



Liniar window and door profiles

Liniar offers three different types of window and door profile, each delivering different levels of thermal efficiency.

Standard



- 4 chamber 70mm profile
- U-values as low as 0.9 W/m²K
- Chamfered or Sculptured

EnergyPlus



- 6 chamber 70mm profile
- U-values as low as 0.8 W/m²K
- Chamfered or Sculptured

EnergyPlus90



- 9 chamber 90mm profile
- U-values as low as 0.5 W/m²K
- Chamfered only



52 patents and registered designs

Spacer bars

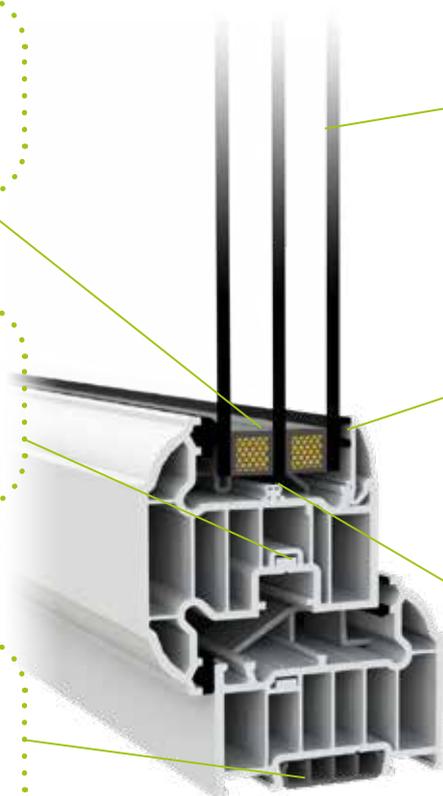
Warm edge spacer bars can be selected, separating each glazed panel for higher energy efficiency.

Screw retainer

Liniar windows require less steel, achieving hardware retention to PAS24/SBD standards.

Thermal dam

The patented thermal dam creates a multi-chamber thermal barrier at the frame's outer edge.



Glazing

Liniar profiles are able to accept double or triple glazing - or even quad glazing in the 90mm system.

28mm, 36mm & 40mm - 70mm
48mm & 56mm - 90mm

Bubble gasket

Liniar's patented 'bubble' gasket is co-extruded alongside the frame itself - so no heat loss or leaks.

Glazing flipper

The unique glazing flipper creates a thermal barrier to seal the perimeter keeping the cold out.

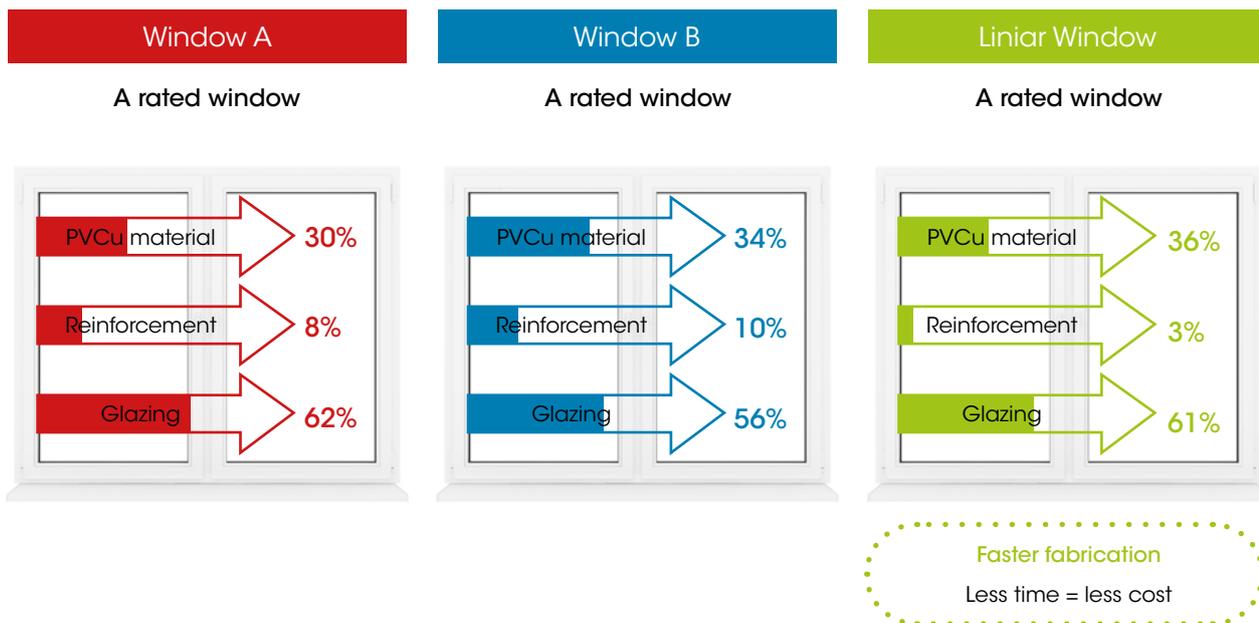
Cost effective

The Liniar system was designed from scratch, using reduced steel compared to other window systems, with no loss in strength.

Liniar profiles can be more expensive, per metre, than other PVCu systems.

This is due to the patented innovations that they contain, as well as the modern machinery used to create them. The Liniar system is designed with reduced reinforcement and often requires a lower specification of glazing to reach high Windows Energy Ratings - both of which can contribute to overall cost savings when fabricating a window.

The model below helps to demonstrate that the cost of the PVCu profiles should not be considered in isolation when potential customers are comparing against other systems.



Glossary

There are many terms used within our industry, some of which may be new to you. Here's a handy reference guide.

0-9

44mm/48mm door slab - Composite doors are usually offered in two different widths, with each door starting life as a whole 'slab' before being custom designed and made to your requirements.

70mm system - A standard window width, from outside to inside, which allows for the replacement of timber windows without making building modifications.

90mm system - 90mm system – a window system measuring 90mm depth; more thermally efficient and ideal for the commercial market. See EnergyPlus90.

A

Accreditations - The list of independent testing and quality standards the Liniar range has been subjected to and passed, offering additional peace of mind to purchasers.

Ancillaries - Liniar offers a range of ancillary products including cills, trims, reinforcements and structural couplings such as butt joints and bay pole assemblies.

Anti-bump - Additional security features to prevent a bump key being used to gain unlawful entry to a property.

Anti-lift - Additional security features to prevent external sliding doors being lifted or moved.

Anti-snap - Additional security features to prevent burglars snapping the lock's cylinder to gain unlawful access to your property.

Approved documents - Guidelines set out for different areas of construction to help specifiers and contractors meet Building Regulation standards.

Approved fabricators - Window manufacturers that have been approved by Liniar, having passed a series of tests to ensure products are manufactured to our exacting high standards, using only Liniar-approved parts.

Astragal bars - Also called Georgian bars, they offer the illusion of small, individual panes of glass within a larger pane. Foiled to match your window for a seamless appearance.

A++ to G rating - The British Fenestration Rating Council (BFRC) Window Energy Ratings offer a clear way to show consumers the energy rating of a particular product. The familiar coloured 'rainbow' label is similar to those you will see on refrigerators and other electrical appliances, with A+ the most energy efficient.

B

Balustrade - The handrail and picket system used in conjunction with Liniar PVCu decking, offering an attractive, safe and strong finish for decking installations.

Bay pole - A Liniar bay pole assembly is required for the correct installation of bay and bow windows.

BBA - The British Board of Agreement is the UK's main organisation for construction products and installers. For a product to be approved by BBA it has to be subjected to tests to ensure it complies with building regulations.

Bead - The PVCu glazing bead which securely clips in around a window's glazing unit, holding the glass in place and providing weather tight seal.

Bevelled - Also known as the Chamfered style of window profile.

BFRC - The British Fenestration Rating Council is the premier UK authority for independently verified ratings of energy efficient windows and energy efficient doors.

Bi-fold door - A door consisting of anywhere between 2 and 7 panes which slide and fold back on themselves

Bubble gasket - Liniar's patented design, the bubble gasket is the black rubber seal you see around the window frame. This is co-extruded onto the PVCu frame, creating a continuous weather-tight seal.

Building products - a collective name for matching add-ons such as soffits and fascias, trims, cleaners etc

Building regulations - Government-set criteria that all new building projects must comply with - including energy efficiency, security and weather performance.

C

Casement window - A standard term for windows which are top or side hung and which open inwards or outwards. Liniar casement windows are available in a wide variety of styles, with bespoke sizes for your project.

CE Marking - All complete, finished products made from Liniar profiles should be supplied with CE Marking, which is the manufacturer's declaration that the window or door meets the requirements of the applicable European directives. (BS EN 14351)

Chamfered - A style of window profile, or frame, offering a bevelled edge which looks flat, rather than curved (sculptured). Often used to give a contemporary appearance, or to resemble the old putty lines found on traditional windows. Also known as bevelled.

Cill - Also known as sill, the external PVCu cill offers an attractive finish to a window and helps to prevent rainwater dripping directly onto the brickwork underneath. Internal cills are usually made from window board.

Co-extruded gasket - A process where the gasket, or seal, is seamlessly manufactured onto the window profile as part of the extrusion process. This process is known as "co-extrusion."

Composite door - A door made from a combination of materials, designed to offer the appearance and strength of a timber door with the thermal and maintenance benefits of PVCu.

C

Conservatories - A sun room or garden room attached to a dwelling, consisting of at least 50% translucent materials within the walls and 75% of the roof area.

Crash stops - A built-in feature of patio doors, to prevent the sliding pane crashing into the frame when the door is fully opened. Unlike other patio systems, Liniar's ModLok™ patio has hidden crash stops for better aesthetics.

Cyclic testing - A process of durability testing where the product is subjected to repeated cycles of the same motion. The Liniar ModLok bi-fold and patio door systems have been cyclic tested by our in-house articulated robot.

D

Double glazing - Glazing units formulated from two panes of glass filled with either air or argon – vastly more thermally efficient than the original single glazed panels used in years gone by.

Dummy sash - A sash that does not open, usually included to enhance the appearance or symmetry of a window.

Drip bar - Part of a residential or composite door, the drip bar helps to deflect rainwater away from the door and prevent water pooling.

E

Eaves - the part of a roof that meets or overhangs the walls of a building

Energy efficiency - "Using less energy to provide the same level of service" is a general definition. In our industry that would be using less energy to keep your home at the desired comfortable heating level.

EnergyPlus - Liniar's 6-chambered energy efficient window profile, available on many products in the range to offer even better U-values.

EnergyPlus90 - Liniar 9 chambered 90mm window and door Passivhaus system

Extrusion - The manufacturing process of making plastic products – raw material is heated and pushed through bespoke tooling to produce specific, detailed shapes before being cooled and foiled to add optional ranges of colour.

F

Fascia - A vertical board at the end of the roof eaves, adjoining the soffits, creating an area able to accept guttering components.

Floating Mullion - the join in the centre of French door and windows, enabling a fully opening aperture.

Flush Sash - The term for windows where the sash fits flush within the rebate. This style was developed to mimic pre-1932 traditional timber windows and is ideal for conservation areas and modern developments alike.

F

Foiling - The process of mechanically covering the PVCu profile with an attractive, non-peel, coloured woodgrained finish, giving it a totally different appearance and colour.

French door - A pair of doors with glass panes extending for most of their length. Available with side lights.

French window - Similar to a casement window, however both panes are side hung and open outwards with the mullion attached to one side, providing unrestricted views and excellent means of fire escape.

G

Gasket - The black weather-tight seal around your windows and doors. Liniar's unique patented bubble gasket has been specially developed from scratch to give excellent weather performance.

Georgian bar - Also called astragal bars, they offer the illusion of small, individual panes of glass within a larger pane. Optionally foiled to match your window for a seamless appearance.

GGF - The Glass and Glazing Federation is the main representative organisation for companies involved in the manufacture of products and services for all types of glazing.

Glazing flipper - Developed by Liniar, this optional extra creates a thermal barrier and additional gasket to offer even greater thermal efficiency.

Glazing platform - Small but important PVCu mouldings that support the glazed units when installing them into a Liniar frame. We recommend only the appropriate Liniar glazing platforms are used with our products.

Gravelboards - Designed to protect timber fencing panels from moisture seeping up from the ground. Liniar gravel boards can also be stacked to form a full fencing panel.

H

Handrail - Part of the Liniar balustrade system, and the only fully sculptured system in the UK, the handrail provides a beautiful finishing touch to any decking installation.

Hardware - Usually refers to the handles, hinges and other non-PVCu elements of your Liniar products.

Head vent - The Liniar head vent clips to the top of the frame and allows the circulation of air to a property in a controlled and secure manner.

I

J

Jacks - Found in bay poles, provides structural support to dead loads.

Jamb - The vertical side post of a doorway or window frames.

Joints - Frames can be welded or mechanically jointed.

K

Keeps - The metal locking points found on doors or windows, designed to accept the product's lock mechanism. Also known as strikers.

L

Large frame - Also referred to as the Outer Frame, this is the part of the window or door that adheres to the building, remains static and houses the opening sashes.

Low threshold - An optional extra on all Liniar doors, low thresholds provide family friendly and wheelchair access to properties. Some Liniar low thresholds offer thermally broken options for higher thermal efficiency.

M

Main frame - The main outer frame housing a window or door.

Mastic - The silicone seal between the outer frame and the wall, also used to seal all elements exposed to damp or moisture such as screw holes.

Mechanically jointed - when a PVCu window or door is screwed together instead of welded - usually giving a more traditional appearance.

ModLok™ - Steel or aluminium reinforcing combined with multi point high security locking system featured in our ModLok™ Patio Door and ModLok™ Bi-Folding door.

Mullion - The vertical section that divides window units and provides structural support to the frame.

Multi-chambered - Refers to the inside of Liniar's PVCu profiles or frames and helps to prevent the transfer of heat from the inside to the outside of the property.

N

NBS Plus - A library of manufacturers technical product information used by specifiers .

Nogging - Liniar's innovative fixing component for its galvanised steel decking sub-frame, designed to save installers time.

O

Outer frame - Also referred to as the large or main frame, this is the part of the window or door that adheres to the building, remains static and houses the opening sashes.

Ovolo - Also known as the Sculptured style of window profile.

P

Pascal - The unit used to measure pressure, equal to one Newton per square metre.

Part B - Part B refers to Approved Document B for Building Regulations, setting out guidelines for fire safety.

Part L - Part L refers to Approved Document L for Building Regulations, setting out thermal efficiency standards that all windows must comply with.

Part F - Part F refers to Approved Document F for Building Regulations, setting out ventilation guidelines/standards.

Part M - Part M refers to Approved Document M for Building Regulations and contains the guidelines set out for access to buildings. in England, Scotland and Ireland.

Part Q - Part Q covers the security of dwellings and refers to new dwellings only. Reasonable provision must be made to restrict unauthorised access to any dwelling in England, Scotland and Ireland.

PAS 24 - Accreditation proving the enhanced security of Liniar's windows and doors, PAS 24 has been independently assessed and guarantees your product is covered by a UKAS accredited certification.

Passivhaus - The term Passivhaus refers to standard for energy efficiency in a building, reducing its ecological footprint. It results in ultra-low energy buildings that require little energy for space heating or cooling.

Patent - A licence for the sole right to exclude others from making, using or selling an invention, to protect the inventor from imitations. Liniar has a string of patents and Registered Designs across the whole range.

Patio door - A set of doors with one or more glazed full sliding panels, often used to offer access to a garden. The Liniar patio door is available with 2, 3 and 4 pane options.

Picket - The vertical posts that provide support between bottom rails and handrails on the balustrade system, or vertical pickets as part of the Liniar fencing range.

Piling - Interlocking PVCu system used as an alternative to steel or timber piles. Has a variety of uses, primarily for the construction, environmental and flood prevention industries.

Posts - For the Liniar fencing or balustrade system, posts are designed to perfectly match and provide sturdy structural support.

Polyamide - material used for Alumina's lock, separates two aluminium surfaces enhancing thermal performance.

Post cap - To provide a decorative finish to the top of Liniar's twin-walled posts – can also be replaced with post cap lights for an alternate appearance.

Profile - the name for a length of PVCu produced in Liniar's extrusion plant.

PVCu - Unplasticised polyvinyl chloride, also called "PVC" or "PVCu" in the UK and Europe, or "vinyl" in the USA.

Q

Q-Lon - a type of seal featured on Liniar windows and doors.

Quad Glazing - glazing units constructed from four panes of glass - used with EnergyPlus90.

R

Rainwater - the collective term for guttering and drainpipes - part of the Building Products range

RAL - RAL numbers are the colour references used for matching colours on different types of products and surfaces.

Registered design - Similar to a patent, however not as strict, a Registered Design relates to the overall appearance of the product resulting from one or more visual features.

Residential door - Made from PVCu, a Liniar residential door can be used as a front or back door for most properties and can be made in a wide range of styles and colours.

Reinforcement - Usually made from steel or aluminium, reinforcement is essential in alternative PVCu window systems – the Liniar system is different in that it utilises less steel through its innovative design.

Recycling - The process of using all waste PVCu from the extrusion process to make alternate products – Liniar piling is made from 100% recycled materials and zero waste is sent to landfill.

RIBA - the Royal Institute of British Architects - Liniar products are listed on RIBA product selector and NBS Plus.

Roofline - the collective term for fascias and soffits - part of the Building Products range.

S

Sash - The opening part of a window.

Sculptured - A style of window profile, or frame, offering a sculptured edge which looks curved, rather than bevelled (chamfered). Often used for a more traditional appearance. Also known as Ovolo.

Secured by Design - Products carrying Secured By Design status have been assessed and tested to meet the security standards of the Association of Chief Police Officers.

Shootbolt - A moveable bar or rod that slides into a socket in order to securely fasten and lock a window/door.

Sill - Also known as cill, the external PVCu sill offers an attractive finish to a window and helps to prevent rainwater dripping directly onto the brickwork underneath. Internal sills are usually made from window board and can be painted to match internal décor.

Soffit - Used in conjunction with fascias, soffits are the horizontal boards between the fascia and a building's wall.

Substrate - name for the base of a PVCu profile, usually used to indicate colour e.g. Black foil on white substrate.

Sub-frame - The starting point for a Liniar PVCu deck, the sub-frame is made from stainless steel and easily couples together to provide strength and stability.

Structural couplings - Structural members that couple one window or door to another and increase structural performance with high wind loading or for large apertures.

SwitchBoard - 150mm two-sided PVCu composite deckboard with a grooved and woodgrain side.

T

Thermal break - Using a material such as polyamide to separate two aluminium surfaces to enhance the thermal performance.

Thermal dam - Another patented innovation from Liniar, the thermal dam helps to prevent heat loss from the outer edge of the frame.

Thermal efficiency - "Using less energy to provide the same level of service" is a general definition. In our industry that would be using less energy to keep your home at the desired comfortable heating level.

Threshold - the bottom part of a door that is stepped over. Liniar doors have a choice of threshold, inc. Part M.

Tilt & Turn window - An open-in casement window that is side-hinged, but can also tilt inwards.

Transom - A strengthening crossbar, usually horizontal, that divides window panes.

Triple glazing - Glazing units constructed from three panes of glass filled with either air or argon - considered more thermally efficient than double glazed units.

Trickle vent - An optional built-in feature to allow ventilation, located at the top of the window frame or sash. Usually a routed slot through section.

U

uPVC - Unplasticised polyvinyl chloride, more usually called 'PVC' or 'PVCu' in the UK and Europe, or 'vinyl' in the USA.

U-Value - A measure of heat loss, expressed as W/m^2K . The lower the U-value, the better the thermal efficiency.

V

Vent - An optional built in feature to allow ventilation, located at the top of the window frame or sash. Usually a routed through section.

Vertical Slider - A style of window where the sash slides upwards. Liniar does not currently offer a VS.

W

WER - Window Energy Ratings - offering a clear way to show consumers the energy rating of a particular product. The familiar coloured 'rainbow' label is similar to those on electrical appliances.

Wind loading - The force applied to a structure as a result of the impact of wind.

Window board - internal capping at bottom of window frame, to cover over cavity external brick to internal brick

XYZ

The Liniar range

Windows



Casement Window

Offering complete versatility with slim sightlines for natural light.



French Window

Slim sightlines and a floating mullion for unrestricted views



Bay and Bow Window

Offering complete versatility with slim sightlines for maximum light.



Flush Sash Window

The look of traditional timber with modern thermal benefits.



Resurgence

The first double-rebated flush PVCu system on the market.



Tilt & Turn Window

Perfect as a fire escape or simply for ventilation.



Reversible Window

With 180° reversible action for ease of access to external pane.



EnergyPlus90 Window

Passive House compliant with a 9 chamber design.



Bi-Fold Window

Ideal to fully open up a wall with an opening span of 2 to 4 panes.

Doors



Residential Door

Perfectly matching, offering the same thermal benefits.



Composite Door

A maintenance-free solution with thermal performance.



EnergyPlus90 Door

Residential door to match the EnergyPlus90 window system.



French Door

Slim sightlines and a floating mullion, in a range of styles.



Sliding Patio Door

Ergonomic design and effortless opening mechanism.



Standard Bi-fold

The first bespoke PVCu bi-fold doors in the UK, from 2 to 4 panes.



Modlok™ Bi-fold

With patented Queen's Award winning ModLok™ technology.



Alumina Doors

Aluminium doors with sash sizes up to 1.2m wide and 2.5m high.



.. Conservatories/Orangeries ..



Conservatory Roof

Energy efficient and in a range of styles, shapes and designs.



Elevate

A lantern-style roof in rectangular & square shapes to enhance flat roofs.



.. Roofline ..



Soffits and Fascias

Offering a perfectly matching solution to any installation.



Shiplap Cladding

Offering a timber appearance without ongoing maintenance.



Rainwater

A wide selection of Brett Martin gutter and downpipe systems.

.. Building products ..



Trims

Manufactured using the same high quality processes and materials



Cleaners and Adhesives

High quality and certain to help finish the job with top results.



Fixings and Packers

In a variety of sizes, available in handy packs & Liniar approved.

Outdoor Range



Decking

Long-lasting, low maintenance decking systems.



Fencing

A range of PVCu fencing that offers an attractive alternative.



Piling

A versatile range of piling and retention systems.



Liniar accreditations

Liniar tests all of its products to meet the highest British standards, through an ongoing testing programme. If a product contains all Liniar-approved and tested components then it also meets these criteria.

Liniar products hold the following accreditations:

	PAS24	BBA	Secured by Design	BS 6375	BS12608	ISO9001
Casement Window	✓	✓	✓	✓	✓	✓
EnergyPlus Casement Window	✓	✗	✓	✓	✓	✓
Flush Sash Window	✓	✗	✓	✓	✓	✓
Tilt & Turn Window	✓	✓	✓	✓	✓	✓
EnergyPlus 90 Window	✓	✗	✓	✓	✓	✓
Reversible Window	✓	✗	✓	✓	✓	✓
Resurgence Window	✓	✗	✓	✓	✓	✓
Residential Door	✓	✓	✓	✓	✓	✓
French Door	✓	✓	✓	✓	✓	✓
Patio Door	✓	✗	✗	✓	✓	✓
Standard Bi-fold Door	✗	✗	✗	✓	✓	✓
ModLok™ Bi-fold Door	✓	✗	✓	✓	✓	✓
ModLok™ Residential Door	✓	✗	✓	✓	✓	✓
ModLok™ French Door	✓	✗	✓	✓	✓	✓
Alumina Bi-fold Door	✓	✗	✓	✓	✗	✓
Alumina Residential Door	✓	✗	✓	✓	✗	✓
Alumina French Door	✓	✗	✓	✓	✗	✓

	BS 476	BS 7976	BS 660-2	BS 428	Class 1Y Fire Rating
Decking (Deckboards & SwitchBoard)	✓	✓	✓	✓	✓

	Class 1Y Fire Rating
Roofline (Soffits and Fascias)	✓

SBD

Secured by Design status is awarded to products designed with exceptional security features as their main priority. Liniar products which hold this certification are tested to meet the requirements of the Association of Chief Police Officers.



ISO9001

The Liniar factory has achieved BS EN ISO 9001 accreditation, meeting British Standards for a quality management system. This standard means that Liniar customers benefit from consistently great products and service.



CORGI Fenestration

Liniar headquarters has met strict criteria across management processes, such as QMS (Quality Management Systems), allowing CORGI Fenestration to recognise best practice.



ISO14001

The Liniar factory has achieved BS EN ISO 14001 accreditation, meeting British Standards for an exceptional Environmental Management Policy.



BBA

The BBA (British Board of Agrément) is the UK's major authority offering approval of construction products, systems and installers. Their certificates are recognised by architects, engineers and specifiers as an impartial review of performance.



BS EN 12608

BS EN 12608:2003 is the standard of quality, consistency and performance required for PVCu extruded hollow profiles. Products are regularly tested to ensure that they continue to meet these standards.



PAS24

This accreditation is part of the British Standards system and shows the product has been subjected to a series of tests, demonstrating enhanced security performance, air and water tightness and wind loading to BS 6375.



BS 6375

Parts 1, 2 and 3 of British Standard BS6375 are the requirements for performance of windows and doors. This includes weather performance testing, inclusive of wind loading, functionality testing and cyclic testing.



BS 476-7

Part 7 of BS 476 refers to fire tests on building materials and structures, which 'determines the classification of the surface spread of flame of products.'



BS 7976

Part 2 of BS 7976 test is used to determine the moving (dynamic) resistance to floor slip. Liniar deckboards' slip resistance was good in both wet and dry conditions.



BS 660-2 and BS 428

Both standards refers to wear resistance of PVC floor coverings and is measured in terms of 'volume lost'.



Class 1Y Fire Rating

See BS 476-7.

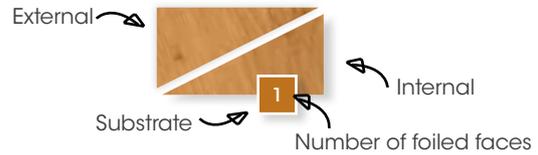


Colour Range

The most popular coloured profiles and components across the different Liniar ranges are manufactured and stocked by Liniar, meaning they can be ordered and delivered on a weekly cycle.

Factory fitted foils are applied to white or coloured substrates as shown here.

Substrate colours

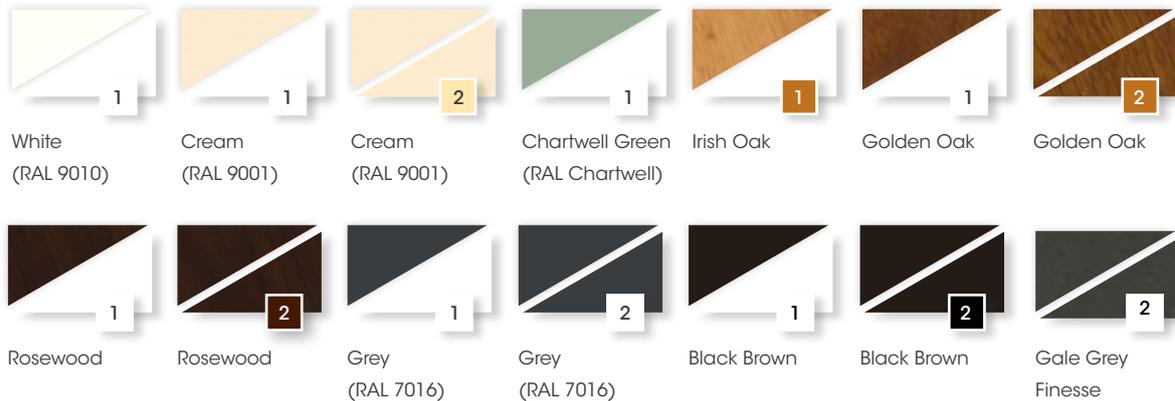


Sculptured Windows (inc. Flush Sash)

Stocked solid colours



Stocked foil colours

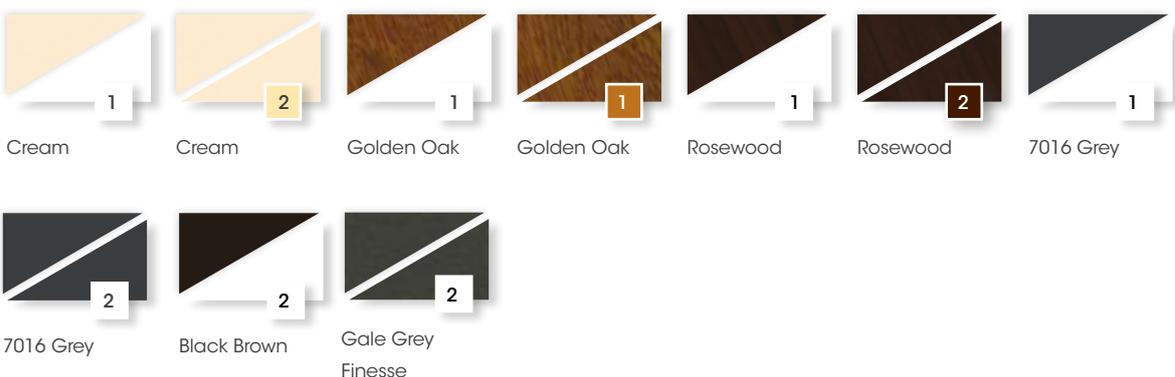


Chamfered Windows

Stocked solid colours



Stocked foil colours



EnergyPlus90 Windows and Doors

Stocked solid colours



White (RAL 9003)



Cream (RAL 1015)

Stocked foil colours



White
(RAL 9010)



Cream
(RAL 9001)



Grey
(RAL 7016)



Grey
(RAL 7038)



Grey
(RAL 7155)



Grey
(RAL 7012)



Black Brown



Black Brown



Gale Grey
Finesse

Reversible Windows

Stocked solid colours



White (RAL 9003)



Cream (RAL 1015)

Stocked foil colours



Black Brown



Grey
(RAL 7016)

Resurgence Windows

Stocked solid colours



White (RAL 9003)

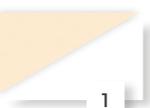


Cream (RAL 1015)

Stocked foil colours



White
(RAL 9010)



Cream
(RAL 9001)



Cream
(RAL 9001)



Grey
(RAL 7016)



Rosewood



Rosewood



Black Brown



Agate Grey
(RAL 7038)



Anteak Oak



Gale Grey
Finesse

Patio Doors

Stacked solid colours



White (RAL 9003)



Cream (RAL 1015)

Stacked foil colours



White
(RAL 9010)



Cream
(RAL 9001)



Cream



Chartwell Green
(RAL Chartwell)



Irish Oak



Golden Oak



Golden Oak



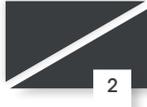
Rosewood



Rosewood



Grey
(RAL 7016)



Grey
(RAL 7016)



Gale Grey
Finesse



Black Brown

Sculptured Bi-fold Doors (Standard and ModLok™)

Stacked solid colours



White (RAL 9003)



Cream (RAL 1015)

Stacked foil colours



White
(RAL 9010)



Cream
(RAL 9001)



Cream
(RAL 9001)



Chartwell Green
(RAL Chartwell)



Irish Oak



Golden Oak



Golden Oak



Rosewood



Rosewood



Grey
(RAL 7016)



Black Brown



Black Brown



Gale Grey
Finesse

Chamfered BiFold Doors (ModLok only)

Stacked solid colours



White (RAL 9003)



Cream (RAL 1015)

Stacked foil colours



White
(RAL 9010)



Golden Oak



Golden Oak



Rosewood



Rosewood



Grey
(RAL 7016)



Black Brown

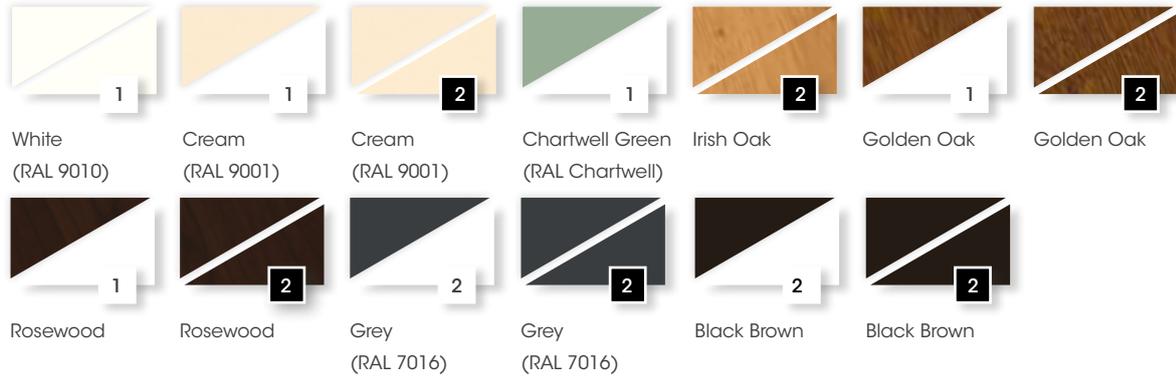
Alumina Doors

Stocked powder coated colours

Any RAL colour is available on request.

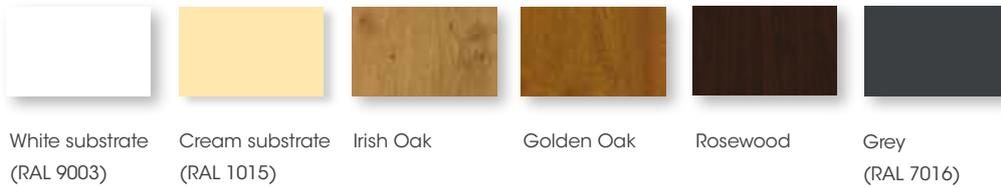


Stocked foil colours



Conservatory Roofs

Internal colours



External colours

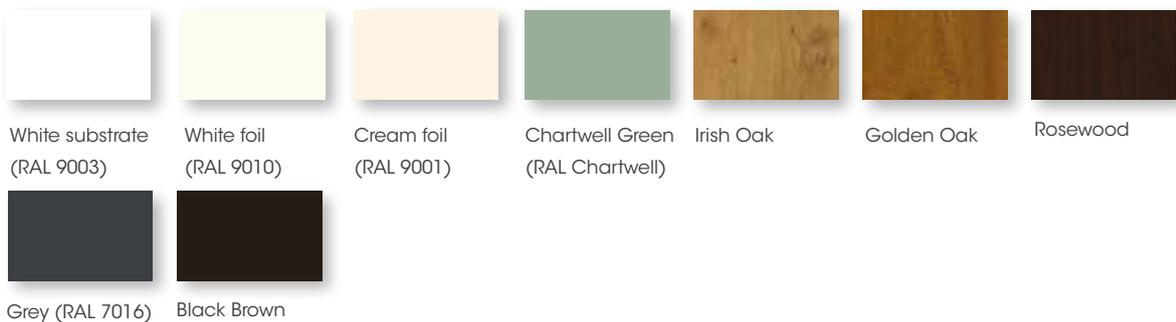


Elevate

Internal colours



External colours



Soffits and Fascias

Stocked solid colours



White (RAL 9003)

Stocked foil colours



White
(RAL 9010)



Cream



Irish Oak



Golden Oak



Chartwell Green
(RAL Chartwell)



Rosewood



Grey
(RAL 7016)



Black Brown

Decking

225mm Deckboards



Seashell



Fossil



Sand



Charcoal

150mm SwitchBoard Decking



Ivory



Natural



Clay



Agate Grey



Anthracite Grey

Balustrades



White



Cream



Beige



Forest Green



Golden Oak



7016 Grey

Fencing

Plain



White



Green



Brown



Grey



Black



Golden Oak



Rosewood

Woodgrain

Composite



Sandstone



Chestnut Brown



Carbon Grey

Full Colour Range

Thanks to its extensive in-house lamination facility, Liniar is able to offer a staggering 36 colour options and a whopping 3,330 colour combinations on short lead times.



To order a swatch booklet, please use the following product codes:

Liniar full colour range: **TMMIS0027** Alumina: **TMMIS0011**

Outdoor: **TMMIS0035** Woodec: **TMMIS0047**

All colours are representative only - please show customers a Liniar swatch booklet for accurate colours and finishes. Not all Liniar products are available on all substrates - please refer to the Liniar swatch booklet. Colours and substrates subject to change. RAL numbers are quoted to be the nearest match.

Window system

Liniar's innovative window system is available in a choice of chamfered and sculptured suites, with all styles in a wide range of colours and finishes to suit any building or project.

Thermally efficient

Liniar's revolutionary 70mm profiles are far more thermally efficient than traditional PVCu window profiles. By removing unnecessary steel reinforcement, instead developing the latest in multi-chambered profile technology, the heat stays where it belongs - inside the property.

Cost effective

The reduction in steel and a faster fabrication process results in a more cost effective window at the fabrication stage. Fitter friendly features also reduce installation times, saving money on the job. The occupant also benefits with systems capable of A++ and U-values as low as 0.8W/m²K.

Innovative features

Launched in 2008, the Liniar system was designed from scratch with a host of patented features. It was the first system to maximise thermal efficiency as well as symmetrical sightlines and drain path.

Why Choose Liniar Windows?

- Ultra-slim sightlines for maximum light
- Patented co-ex bubble gasket - tested and assessed to BFRC energy rating standards with zero air leakage
- Designed with two thirds less steel than a GGF standard window
- Meets requirements of PAS24 with reduced steel reinforcing
- All systems conform to BS 6375 Part 1 for weather performance and Part 2 for window operation and strength characteristics.
- Available in a wide range of colours and foiled finishes

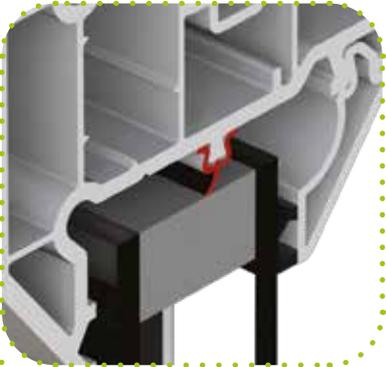


Main window components



A
Optional Head Vent

- B** Outer Frame (also referred to as Main Frame, Large Frame or Small Frame)
- C** Sash (can also be Dummy Sash)
- D** Transom
- E** Mullion
- F** Cill
- G** Bead
- H** Glazing
- I** Hardware



1

Optional Glazing Flipper



2

Co-extruded Bubble Gasket



3

Thermal Dam

Casement window

The Liniar 70mm casement window offers a versatile solution for a wide range of projects, and includes all of Liniar's patented innovations.

The most popular style of window, Liniar casement windows have slim sightlines and offer fabricators the best starting point for the Liniar system.

Top sashes can be manufactured with beautifully crafted run-through mock horns, giving the

appearance of Victorian sash windows. As well as welding, Liniar casements can also be mechanically jointed for a more traditional appearance.

Accreditations



PAS24



Secured by Design



BBA



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

or

EnergyPlus

Sculptured (curved)

or

Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

	Double Glazed	Triple Glazed
Standard	1.3W/m ² K	0.9W/m ² K
EnergyPlus	1.2W/m ² K	0.8W/m ² K

Windows Energy Rating (WER)

As high as **A ++**

Acoustic values 33dB

Additional items

Georgian bars

Astragal bars

Mock horns

Head vent



Fabricator selling points

1

Two-thirds less steel than a standard GGF window = faster fabrication.

2

Achieves an A++ rated window with lower spec glass = more cost effective.

3

Co-extruded patented bubble gasket = no need to clean corners.

4

Compatible with all other Linar suites.

5

Patented screw retainer - less steel to stock, no screws, quick fabrication

6

Equal, large drainage chambers, with a symmetrical drain path inside and out

7

Document Q compliant - latest Building Regulations

8

Holds all BSI and security accreditation = quality assurance.

9

Reputation for innovation in the marketplace = strong brand identity.

Installer selling points

1

Single leg beading system = easy to glaze.

2

Reduced reinforcement = lighter to carry and easy to drill through frame

3

Unique glazing platforms = better drainage, offers added strength, fewer call backs

4

Cleans up without the need for solvents = less mess.

5

Wide range of compatible add-ons, trims and accessories.

6

Matching products and marketing support = increase sales to consumers.

Consumer selling points

1

Thermally efficient = saving money on heating bills.

2

Slim sightlines = more attractive, allowing in more light.

3

PAS24, Secured By Design and Part Q compliant = highly secure.

4

Wide choice of colours from stock = faster lead times.

5

Patented bubble gasket = no draughts or leaks.

6

100% lead-free = eco and family friendly.

7

Aesthetically pleasing design = symmetrical sightlines.

8

Full profile guarantee = quality assurance and peace of mind.

9

British made = friendly, helpful and customer-focused.

French window

Linear French windows offer a distinctive style to shape the look of a property, combined with the practical function of being used as a fire escape.

Available in our standard or EnergyPlus range and including high security locking, Linear French windows come in a wide choice of colours and offer slim sightlines to let in maximum light.

Linear French windows can be internally or externally beaded and are available in sculptured or chamfered 70mm frames, with either 28mm double or 36mm triple glazing.

Accreditations



PAS24



Secured by Design



BBA



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

or

EnergyPlus

• Sculptured (curved)

• or

• Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

	Double Glazed	Triple Glazed
Standard	1.3W/m ² K	0.9W/m ² K
EnergyPlus	1.2W/m ² K	0.8W/m ² K

Windows Energy Rating (WER)

As high as **A ++**

Additional items

Georgian bars

Astragal bars

Shootbolt locking

Head vent



Fabricator selling points

1

Part of Liniar system = no separate profiles to stock.

2

Able to manufacture large sizes = greater sales opportunities.

3

Two-thirds less steel than a standard GGF window = faster fabrication.

4

Achieves an A++ rated window with lower spec glass = more cost effective.

5

Co-extruded patented bubble gasket = no need to clean corners.

6

Uses standard Liniar beading = reduces overall stockholding.

Installer selling points

1

Single leg beading system = easy to glaze.

2

Reduced reinforcement = lighter to carry and easy to drill through frame.

3

Unique glazing platforms = better drainage, offers added strength, fewer call backs.

4

Cleans up without the need for solvents = less mess.

5

Wide range of compatible add-ons, trims and accessories.

6

Matching products and marketing support = increase sales to consumers.

Consumer selling points

1

No central mullion = ideal as a fire escape.

2

Thermally efficient = save money on heating bills.

3

Slim sightlines = more attractive, allowing in more light.

4

PAS24, Secured By Design and Part Q compliant = highly secure.

5

Patented bubble gasket = no draughts or leaks.

6

100% lead-free = eco and family friendly.

7

Aesthetically pleasing design = symmetrical sightlines.

8

Full profile guarantee = quality assurance and peace of mind.

9

British made = friendly, helpful and customer-focused.

Bay and Bow windows

Liniar's innovative bay and bow windows offer a number of features and benefits unrivalled in today's market place, available in a range of styles.

Bay and Bow windows can be created using different Liniar styles, including casements, flush Sash casements, tilt & turn or reversible windows.

The ultra-slim frames of Liniar bay and bow windows increase the flow of natural light as well as creating an enhanced field of view.

Accreditations



PAS24



Secured by Design



BBA



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

or

EnergyPlus

• Sculptured (curved)

• or

• Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

	Double Glazed	Triple Glazed
Standard	1.3W/m ² K	0.9W/m ² K
EnergyPlus	1.2W/m ² K	0.8W/m ² K

Windows Energy Rating (WER)

As high as **A ++**

Additional items

Georgian bars

Astragal bars

Mock Horn

Dedicated bay poles/jacks



Fabricator selling points

1

Part of Liniar system = no separate profiles to stock.

2

Two-thirds less steel than a standard GGF window = faster fabrication.

3

Achieves an A++ rated window with lower spec glass = more cost effective.

4

Co-extruded patented bubble gasket = no need to clean corners.

5

Dedicated baypoles/posts and cappings to suit all applications

6

Holds all BSI and security accreditation = quality assurance.

Installer selling points

1

Single leg beading system = easy to glaze.

2

Liniar bay pole system suits all angles, clip fittings = one man fix

3

Reduced reinforcement = lighter to carry and easy to drill through frame

4

Unique glazing platforms = better drainage, offers added strength.

5

Cleans up without the need for solvents = less mess.

6

Dedicated bay pole jacks with evidence of max load bearing capacity

Consumer selling points

1

Thermally efficient = saving money on heating bills.

2

Slim sightlines = more attractive, allowing in more light.

3

PAS24, Secured By Design and Part Q compliant = highly secure.

4

Wide choice of colours from stock = faster lead times.

5

Patented bubble gasket = no draughts or leaks.

6

100% lead-free = eco and family friendly.

7

Aesthetically pleasing design = symmetrical sightlines.

8

Full profile guarantee = quality assurance and peace of mind.

9

British made = friendly, helpful and customer-focused.

Flush Sash window

Increasingly popular for both traditional and contemporary installations, the sash does not overlap the frame on the exterior, as it does in other window styles.

Optional mechanical jointing makes for even greater realism, especially when combined with woodgrain foiled profiles.

The Liniar flush sash window has a sleek appearance, and has proved ideal for conservation areas where PVCu windows are not usually permitted.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard
with EnergyPlus Outer
Frame

Sculptured (curved)

Glazing

28mm Double Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	1.2W/m ² k

Windows Energy Rating (WER)

As high as **A +**

Additional items

Georgian bars

Astragal bars



Fabricator selling points

1

Flush system designed to replicate the appearance of timber windows.

2

Utilises standard profile machinery = simple to fabricate.

3

Manufactured with existing Liniar outer frame = less stockholding.

4

Co-extruded patented bubble gasket = no need to clean corners

5

28mm double or triple glazing options = greater thermal options.

6

Can be mechanically jointed for an even more authentic appearance.

Installer selling points

1

Easy to install = same as other Liniar windows

2

Single leg beading system = easy to glaze.

3

Unique glazing platforms = better drainage and strength

4

Cleans up without the need for solvents = less mess.

5

Utilises all standard Liniar ancillaries = familiar to use.

6

Eco-friendly = enables installers to offer the highest thermal efficiency to consumers.

7

More cost effective than competing flush window systems = higher profit

8

Matching products and marketing support = helps increase sales to consumers.

Consumer selling points

1

Beautiful appearance that can create a traditional or contemporary look.

2

Designed to replicate a pre-1932 timber window = ideal for conservation areas.

3

Thermally efficient = saving money on heating bills.

4

PAS24, Secured By Design and Part Q compliant = highly secure.

5

Patented bubble gasket = no draughts or leaks.

6

Aesthetically pleasing design = flush on external faces.

7

100% lead-free = eco and family friendly.

8

Fully weather tested, surpassing all requirements.

9

British made = friendly, helpful and customer-focused.

resurgence window

A new concept in PVCu timber alternative windows, the Liniar 80mm flush sash is the first double-rebated flush system on the market.

Featuring Liniar's patented bubble gasket together with a double-rebated weather seal, Resurgence eliminates the unsightly external seals found in other timber alternative windows.

Four fabrication options are available: Fully mechanically jointed; Fully welded (mitred) corners; Timber-weld® welded; or Mechanically jointed appearance externally with internal welds.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

80mm outer frame, : Sculptured (curved)
70mm standard sash :

Glazing

28mm Double Glazing or 36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.2W/m ² K	0.8W/m ² k

Windows Energy Rating (WER)

As high as **A ++**

Additional items

Georgian bars Astragal bars
Bays Bows
Couplers Transom nose extended



Fabricator selling points

1

The first double-rebated & double-gasketed flush sash system on the market, with no manual gasket insertion required.

2

Four fabrication options for the ultimate in adaptability.

3

Competitive system which is easier to fabricate than other timber alternative systems.

4

Fully foiled glazing areas to outer frame and transom profiles for added authenticity.

5

Co-extruded patented bubble gasket - no need to clean corners.

6

PAS24 compliant even with mechanically jointed option.

Installer selling points

1

Can be fitted & glazed in the same way as the Liniar casement window.

2

First double-rebated flush sash system - totally weatherproof.

3

Fully foiled glazing areas when window is opened, for added authenticity.

4

More cost effective than competing timber-alternative systems, with no unsightly external seals.

5

Includes Liniar glazing platforms for better drainage and strength

6

Thermally efficient, with A++ Windows Energy Ratings and U-values as low as 0.8 W/m²K.

Consumer selling points

1

The look of a timber window with the high thermal efficiency of PVCu - and the low maintenance.

2

Double rebated system ensures the window will withstand the worst of weather conditions.

3

No visible external gaskets in the shadow gap around the sash, for a sleek appearance.

4

Authentic woodgrain foiled options, even when the window is open, for added authenticity.

5

Features Liniar's co-extruded patented bubble gasket = no draughts or leaks, with Window Energy Ratings to A++.

6

The ultimate in adaptability - either contemporary or traditional to suit most buildings.

7

Highly secure, with PAS24 and Secured By Design - even on mechanically jointed windows!

8

Wide choice of colours and finishes available from stock, with hundreds more on longer lead times.

9

Covered by the Liniar 10 year guarantee.

Tilt & Turn window

This open-in style of window is very European, offering the versatility of a fire escape in addition to ventilation in the 'tilt' position.

Ideal for many property types, including high-rise buildings due to the ability to clean the glass from the inside, the Liniar tilt & turn window offers a greater scope for larger panes of glass than a casement, helping its thermal performance.

Most windows are fabricated as 'tilt before turn' for safety reasons and to avoid the risk of children being able to fully open them.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

- Sculptured (curved)
- or
- Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	0.9W/m ² K

Windows Energy Rating (WER)

As high as **A**

Additional items

Georgian bars

Astragal bars

Head vent



Fabricator selling points

1

No separate profiles to stock.

2

Will take concealed or slimline hardware

3

Two-thirds less steel = faster fabrication.

4

Achieves an A rated window with lower spec glass = more cost effective.

5

Available in chamfered or sculptured = more choice for installers.

6

Co-extruded patented bubble gasket = no need to clean corners

7

Uses standard Liniar beading = reduces overall stockholding.

8

Can also be made as a French window.

Installer selling points

1

Simple beading system = easy to glaze.

2

Reduced reinforcement = lighter to carry and install.

3

Unique glazing platforms = better drainage, offers added strength.

4

Cleans up without the need for solvents = less mess.

5

Wide range of compatible add-ons, trims and accessories.

6

Matching products and marketing support = helps increase sales

Consumer selling points

1

Can be used as a fire escape = peace of mind.

2

Window opens fully = easier to clean from the inside.

3

Night vent = allows air to circulate while you sleep.

4

Thermally efficient = saves money on heating bills.

5

PAS24, Secured By Design and Part Q compliant = highly secure.

6

Patented bubble gasket = no draughts or leaks.

7

Fully matching with the rest of the Liniar range.

Bi-fold window

The Linar bi-fold window is increasingly popular within the UK and is manufactured from Linar Standard Bi-fold door components.

It offers the ability for homeowners to open up a whole wall of their home, whilst retaining valuable wall space for furniture.

Ideal for open plan kitchens, orangeries and modern living, the bi-folding window spans up to 4 panes wide and is in the flush sash style.

Accreditations



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

Sculptured (curved)

Glazing

28mm Double Glazing

Lowest possible U-Values

	Double Glazed
Standard	1.3W/m ² K

Additional items

Georgian bars

Astragal bars

Sash transom



Fabricator selling points

1

In-demand, popular item = good sales opportunities.

2

Same system as Liniar standard bi-fold door = fewer parts to stock.

3

Continuous hardware developments

4

Co-extruded patented bubble gasket = no need to clean corners.

5

Uses standard Liniar beading = reduces overall stockholding.

6

Sizes down to 750mm high = ideal for orangeries and kitchen extensions.

Installer selling points

1

Open in and open out options = wider choice of applications.

2

Simple beading system = easy to glaze.

3

Niche product = differentiate your services.

4

Wide range of matching products = single point of guarantee.

5

Full colour installation guide and video = fewer callbacks.

6

Marketing support = helps increase sales to consumers.

Consumer selling points

1

Fully opens up a wall with furniture underneath = ideal for orangeries.

2

From 2 to 4 panes, opening in or out = versatile range of options.

3

A modern take on a timber design = more thermally efficient.

4

Patented bubble gasket = no draughts or leaks.

5

100% lead-free = eco and family friendly

6

Fully guaranteed = quality assurance and peace of mind.

Reversible window

The 180° reversible action of these windows provides the opportunity to clean external glass from the inside of a property, safely and securely.

Designed to invite maximum light into a room, reversible windows allow high levels of ventilation while safety catches restrict the aperture to prevent the possibility of a child falling through.

Reversible windows are an ideal choice for high-rise or commercial projects and enable significant savings on costly exterior window cleaning bills.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

EnergyPlus

Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	1.0W/m ² K

Windows Energy Rating (WER)

As high as **A ++**

Additional items

Georgian bars

Astragal bars



Fabricator selling points

1

Popular in Scotland and Ireland as well as high-rise = new opportunities

2

Designed to suit both PN and Yale reversible gearing = more choice.

3

Clever design features = one-piece drip bar offers weather protection.

4

Able to manufacture large sizes = greater sales opportunities.

5

Co-extruded patented bubble gasket = no need to clean corners.

6

Existing sections from Liniar range inc. beading = reduces overall stockholding.

Installer selling points

1

Includes a triple seal arrangement = no call-backs for draughts.

2

Versatile window system = more options for customers.

3

Simple beading system = easy to glaze.

4

Wide range of matching products = single point of guarantee.

5

Full colour installation guide and video = fewer callbacks.

6

Easy fit drip bar with concealed fixings = weather protection.

Consumer selling points

1

Sash rotates a full 180° = glass can be safely cleaned from the inside.

2

Ideal for difficult to access locations, e.g. above a conservatory.

3

Moving pane never intrudes into the room = no snagging on curtains.

4

Fully flush on both sides with slim sashes = beautiful appearance.

5

Triple seal arrangement = withstands storm force winds.

6

Thermally efficient = saving money on heating bills.

7

PAS24, Secured By Design and Part Q compliant = highly secure.

8

Patented bubble gasket = no draughts or leaks.

9

Fully guaranteed = quality assurance and peace of mind.

EnergyPlus90 window

Linjar's EnergyPlus90 is one of an elite band of windows that are able to comply with the exacting standards of Passive House.

EnergyPlus90 is unique in that its 9-chambered profile has been designed to meet the triple challenges of thermal efficiency, noise reduction and security.

The 90mm system has been designed to look and act like a 70mm system and is ideal for the commercial market.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

EnergyPlus90 Chamfered (bevelled)

Glazing

48mm and 56mm Triple Glazing

or

56mm Quadruple Glazing

Lowest possible U-Values

Triple Glazed	Quadruple Glazed
0.7W/m ² K	0.5W/m ² K

Windows Energy Rating (WER)

As high as **A ++**

Acoustic Rating	42dB
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Additional items

Georgian bars Astragal bars



Fabricator selling points

1

90mm system ideal for the commercial and retail market.

2

Offer Passivhaus – to 0.5 W/m²K system.

3

PAS24, Secured By Design and Part Q compliant.

4

Delivers acoustic benefits = reduces noise levels by up to 42 decibels.

5

Utilises standard profile machinery = simple to fabricate.

6

Looks and acts as a standard 70mm system; sightlines, frame cover and clearances.

7

Co-extruded patented bubble gasket = no need to clean corners after welding.

8

Less steel thanks to patented screw retainer

9

Equal large drainage chambers, with a symmetrical drain path inside and out

Installer selling points

1

Easy to install = fit in exactly the same way as Liniar 70mm system.

2

Simple beading system = easy to glaze.

3

Unique glazing platforms = better drainage, offers added strength.

4

Cleans up without the need for solvents = less mess.

5

Eco-friendly = enables installers to offer the highest thermal efficiency

6

Matching products and marketing support = helps increase sales

Consumer selling points

1

Passivhaus compliant – high thermal efficiency = saving money on energy bills.

2

PAS24, Secured By Design and Part Q compliant = highly secure.

3

Patented bubble gasket = no draughts or leaks.

4

Noise reduction of 42 decibels – ideal for urban living.

5

Chamfered style for a contemporary appearance.

6

Aesthetically pleasing design = symmetrical sightlines.

7

100% lead-free = eco and family friendly.

8

Fully weather tested, surpassing all requirements.

9

British made = friendly, helpful and customer-focused.

Door system

The profile around a Liniar door contains multiple chambers to minimise the transfer of cold and heat. This, together with other innovative design enhancements, helps to minimise energy costs.

Residential Doors

Liniar fabricators offer a wide selection of PVCu residential doors, all with the same energy efficient profile as Liniar windows.

Composite Doors

Offering up to 6 times the insulation of a timber door, a Liniar composite door offers the look of timber with superb thermal performance.

French Doors

An attractive alternative to sliding patio or bi-folding doors, French doors open inwards or outwards, with the highest thermal performance and security.

Patio Doors

Featuring the patented ModLok™ system, a combined reinforcement and multi-point locking system. In addition, features a unique eight-wheel acetel system.

Bi-Fold Doors

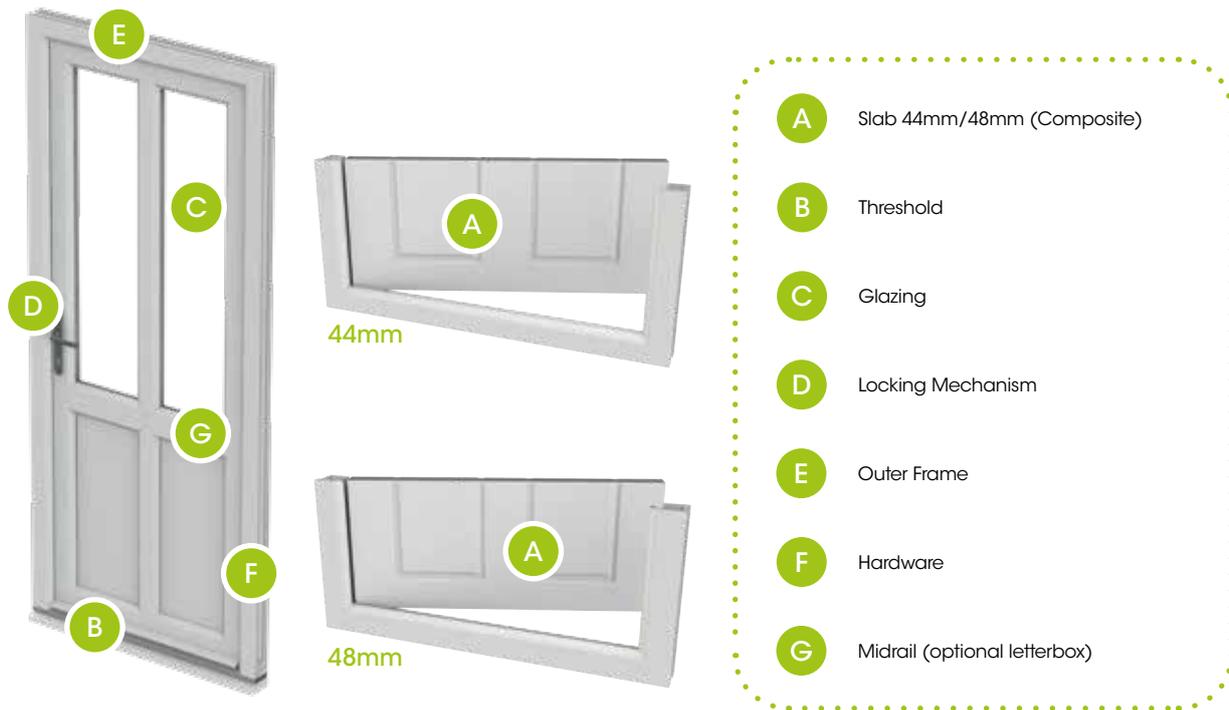
Available in 2 to 7 panes and featuring the patented ModLok™ system, in the form of an aluminium exo-skeleton.

Why Choose Liniar Doors?

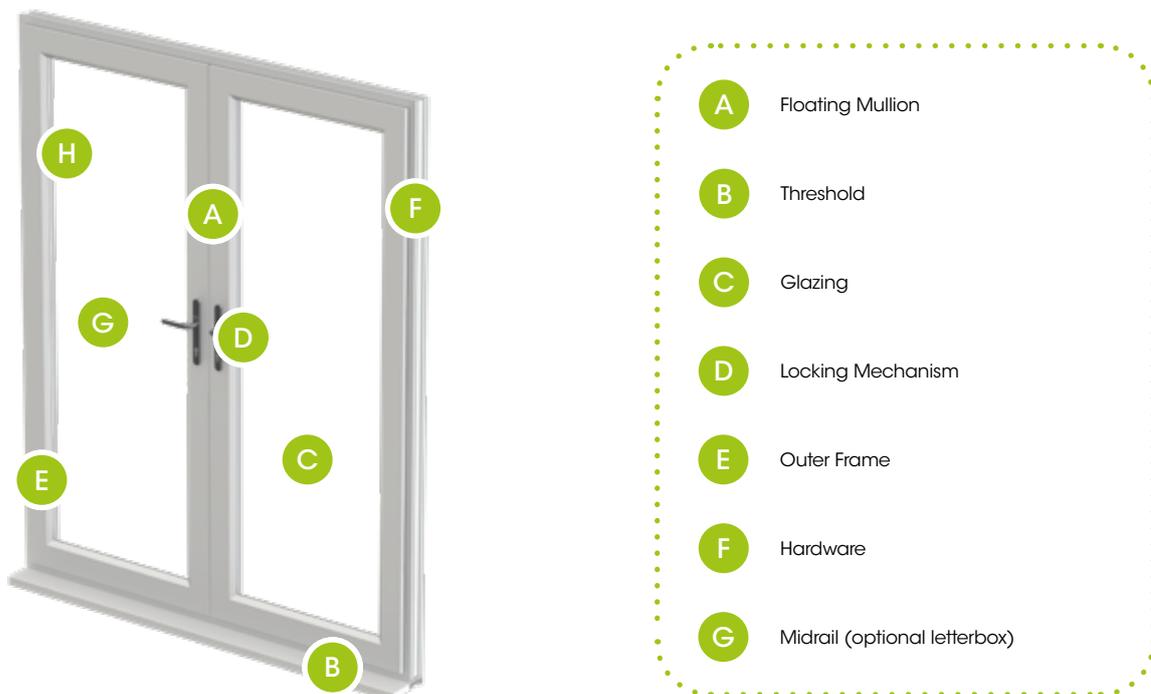
- Supreme thermal performance compared to other doors on the market
- Available in a wide range of colours and foiled finishes
- Frames and cills fully match windows
- Patented co-ex bubble gasket - tested and assessed to BFRC energy rating standards with zero air leakage shown in the results
- Composite doors available with 44mm and 48mm door slabs
- Meets requirements of PAS24, Secured by Design and are also Part Q compliant
- Available with a wide range of accessories, from matching sidelights to letterboxes, along with a choice of handles and hinges



Main Resi/Composite door components



Main French door components



Main Patio door components



- A** Outer Frame
- B** ModLok™
- C** Fixed Sash
- D** Sliding Sash
- E** Threshold
- F** Brushes/Track
- G** Hardware
- H** 8 wheel acetal system
- I** Optional PAS 24 secure add-on



1

Hidden Decelerator
and Crash Stop



2

Optional Midrail



3

Optional Cill Mounted Threshold



4

Highly Robust 8-wheel Acetal Roller

Main Bi-fold door components

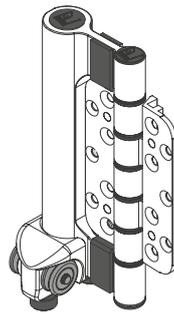


- A** Outer Frame
- B** ModLok™ - Aluminium Exoskeleton
- C** Folding Sliding Sash
- D** Magnets
- E** D-Handle
- F** Cill (Optional)
- G** Threshold
- H** Roller
- I** Track
- J** Hardware



1

Patented Modlok



2

Double roller



3

Part M Low Threshold
with Full Tray

ModLok™

Developed by Liniar in conjunction with the world's leading lock manufacturers, the revolutionary ModLok™ technology is available in our residential, French, bi-fold & patio door systems.

ModLok™ for Patio doors

The Liniar patio system features the innovative ModLok™ system to combine steel reinforcing with a high security locking mechanism – offering far greater security than other patio door systems.

Strong and secure

With four hook bolts plus two shootbolts at the top and bottom of the sliding door, the Liniar patio's locking mechanism has been designed so the hooks don't protrude into the room, even when the door is open, making it extremely family friendly.

To make the patio door even more secure, choose the latest 'anti-snap' locking cylinders. With 3-star security, these cylinders offer even greater protection against the more determined would-be intruder using tools to break the cylinder and gain entry by manipulating the door to open.

Low threshold option

The Liniar low threshold, both with or without integral ramp, is thermally broken, adding to the energy

efficiency of your patio doors. As with the bi-fold low threshold, no excavation is required to fit, cutting down on installation time and mess. Choose from silver or gold options to co-ordinate with handles.

Better for the environment

Not often considered when buying a new product for your home, ModLok™ technology has a big environmental advantage when the doors eventually come to the end of their life.

Internal metal parts included within other PVCu systems mean that they cannot easily be recycled without lots of effort to strip and cut them down.

However, as ModLok™ comprises seamless steel sections, on the exterior of each frame, they are simple to separate once the doors are removed, enabling the PVCu to be recycled faster and with much less effort - no need to cut apart.



ModLok™ for Residential, French and Bi-folding doors

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 and patio doors.

Strong and secure

The Liniar bi-fold door provides the strength and rigidity of an aluminium bi-fold combined with the thermal efficiency and colour options of a PVCu door. The ModLok™ exo-skeletal system ensures only the master door will open first with certain schemes, so there's no chance of spraining locks by trying to open the wrong door.

The shootbolt locking mechanism designed into each Liniar ModLok™ bi-folding door ensures that it is bolted firmly into the stainless steel track, maximising security.

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

Size wise

ModLok™ also offers enhanced security features, including three opposing hooks and two shootbolts built in to every master door, plus two anti-lift shootbolts on every slave door.

Liniar's ModLok™ has been designed to take the PVCu sector into new areas. Its fully patented aluminium exo-skeleton means expansion and contraction are minimised. The exoskeleton adds structure and resists torsion, meaning ModLok™ bi-folds can almost reach the same size parameters as their aluminium counterparts – you can choose up to 7 panes wide to span the entire width of your garden room and open it to the outside.

We've added slim hinges with the fixings hidden inside, not only maintaining the sleek lines but enhancing security as they can't be unscrewed from outside.

We wanted to offer a low threshold, without the need for expensive and messy excavation, so we designed our own clever threshold solution.

We've even designed folding keys to avoid any problems with them being left in the locks during operation – it's often the small things that make a huge difference.

Continuous aluminium exoskeleton perimeter



Residential door

Liniar's PVCu residential doors are available as opening in or opening out, and are designed to match perfectly with the window range to create a co-ordinated and attractive appearance for any home.

Each Liniar fabricator can offer its own style, design and colour options for the residential door, therefore it is difficult for Liniar to advise consumers of the options available.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard
or
 EnergyPlus

Sculptured (curved)
or
 Chamfered (bevelled)

Glazing

28mm Double Glazing
or
 36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	1.0W/m ² K



Thresholds

Frame Only	Frame and Cill	Part M Low Threshold	Low Threshold	Low Threshold and Half Tray	Low Threshold and Full Tray	Rebated Aluminium Threshold	Rebated Aluminium Threshold and Half Tray
57mm	87mm	15mm	30mm	33mm	33mm	40mm	43mm

Additional items Georgian bars

Fabricator selling points

1

Utilises both Standard and EnergyPlus profiles = outer frame matches windows.

2

Range of threshold options inc. Part M low threshold = greater customer choice.

3

Will accommodate most hardware = wider choice of suppliers.

4

Co-extruded patented bubble gasket = no need to clean corners. with 8mm overlap in/out

5

Uses standard Liniar beading = reduces overall stockholding.

6

Less steel thanks to patented screw retainer.

Installer selling points

1

Wide variety of styles and options from fabricators = customer choice.

2

Unique glazing platforms = better drainage, offers added strength, fewer call backs

3

8mm tolerance allows for easier fitting.

4

Simple beading system = easy to glaze.

5

Both sculptured and chamfered options = matches Liniar windows.

6

Part Q compliant = complies with building regulations for new build.

7

Range of threshold options inc. Part M low threshold = greater customer choice.

8

Patented bubble gasket ensures weathertight performance.

Consumer selling points

1

Thermally efficient = saving money on heating bills.

2

PAS24, Secured By Design and Part Q compliant = highly secure.

3

Range of threshold options inc. Part M low threshold = family friendly.

4

Patented bubble gasket = no draughts or leaks.

5

100% lead-free = eco and family friendly.

6

Full profile guarantee = quality assurance and peace of mind.

7

British made = friendly, helpful and customer-focused.

Composite door

Offering up to six times the insulation of a timber door, Liniar composite doors combine the look of timber with superb thermal performance, making it the ultimate modern solution.

Made from a variety of materials, including PVCu, wood, insulating foam and glass reinforced plastic (GRP), this combination of materials results in a very strong and secure door.

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.

Accreditations



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame (44mm slab)

Standard

Sculptured (curved)

or

Chamfered (bevelled)

Frame (48mm slab)

Standard

or

EnergyPlus

Sculptured (curved)

or

Chamfered (bevelled)



44mm slab

Frame Only

67mm

Proprietary thresholds available. Contact your preferred supplier.

48mm slab

Frame Only

Frame and Cill

Part M Low Threshold

Low Threshold

Low Threshold and Half Tray

Low Threshold and Full Tray

Rebated Aluminium Threshold

Rebated Aluminium Threshold and Half Tray

57mm

87mm

15mm

30mm

33mm

33mm

40mm

43mm

Fabricator selling points

1

Will fit most 44mm or 48mm composite door slabs = choice of suppliers.

2

Will take side screen and top lights = with dedicated transom/mullion

3

Range of threshold options including Part M low threshold for 48mm slab

4

44mm door slab can achieve fire door rating of FD30 = commercial use.

5

Capable of PAS24 security accreditation with specific door slab = high security.

6

Both sculptured and chamfered frame options for 48mm slab = fully matches.

7

Same bead for fixed lights.

Installer selling points

1

Wide variety of styles and options from Liniar fabricators nationwide = customer choice.

2

Designed with the installer in mind = straightforward to fit.

3

Both sculptured and chamfered frame options for 48mm slab = matches Liniar windows.

Consumer selling points

1

Highly secure = capable of PAS24 accreditation (with specific door slab).

2

Huge choice of colours and styles = personalised for each home.

3

Perfectly matching frame to other Liniar products = single point of guarantee.

4

Patented bubble gasket = no draughts or leaks.

5

100% lead-free = eco and family friendly.

6

Range of threshold options including Part M low threshold = family friendly.

7

Fully guaranteed = quality assurance and peace of mind.

EnergyPlus90 door

EnergyPlus90 doors utilise the same 9-chambered profile as the window system, making them fully Passive House compliant.

With the triple benefits of outstanding thermal efficiency, PAS24 security and fantastic noise reduction capability, EnergyPlus90 doors are available in chamfered 9 chamber profile.

EnergyPlus90 doors are fully compliant with Part Q building regulations – critical for the commercial and new build sectors - and as a result have achieved Secured by Design accreditation.

Accreditations



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

EnergyPlus90

Chamfered (bevelled)

Glazing

48mm/56mm Triple Glazing

Door slab

68mm

Thresholds

Frame Only	Frame and Cill	Low Threshold	Low Threshold and Half Tray
58mm	100mm	30mm	33mm



Fabricator selling points

1

90mm door to complement the EnergyPlus90 Passive House window system.

2

Capable of PAS24, Secured By Design and Part Q compliant.

3

Two threshold options available.

4

Will accommodate most hardware = wider choice of suppliers.

5

Supplied ready made

6

Co-extruded patented bubble gasket = no need to clean corners.

Installer selling points

1

Easy to install = fit in exactly the same way as Liniar 70mm system.

2

Two threshold options available.

3

Unique glazing platforms = better drainage, offers added strength.

4

Cleans up without the need for solvents = less mess.

5

Eco-friendly = enables installers to offer the highest thermal efficiency.

6

Matching products and marketing support = helps increase sales to consumers.

Consumer selling points

1

High thermal efficiency = saving money on bills

2

PAS24, Secured By Design and Part Q compliant = highly secure.

3

Two threshold options available = family friendly.

4

Patented bubble gasket = no draughts or leaks.

5

Noise reduction to 42 decibels - ideal for urban living.

6

Fully weather tested, surpassing all requirements.

7

British made = friendly, helpful and customer-focused.

8

100% lead-free = eco and family friendly.

9

Chamfered style for a contemporary appearance.

French door

Ensuring the maximum amount of natural light in a property, the fully sculptured and chamfered features of Linar French doors provide a beautiful finish.

Offering a more traditional aesthetic, Linar French doors come with the same high specification and colour choices as the window range.

Available in either an 'open in' or 'open out' style to suit any living space, Linar French doors provide a home with a stylish and secure entrance.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

or

EnergyPlus

• Sculptured (curved)

• or

• Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	1.0W/m ² K



Thresholds

Frame Only	Frame and Cill	Part M Low Threshold	Low Threshold	Low Threshold and Half Tray	Low Threshold and Full Tray	Rebated Aluminium Threshold	Rebated Aluminium Threshold and Cill
57mm	87mm	15mm	30mm	33mm	33mm	40mm	70mm

Fabricator selling points

1

Uses door sections from standard Liniar range = no extra stockholding.

2

Utilises both 4 chamber and EnergyPlus profiles = matches window system.

3

Range of threshold options inc. Part M low threshold = greater customer choice.

4

Will accommodate most hardware = wider choice of suppliers.

5

Co-extruded patented bubble gasket = no need to clean corners.

6

Uses standard Liniar beading = reduces overall stockholding.

Installer selling points

1

Wide variety of styles and options from fabricators = customer choice.

2

Unique glazing platforms = better drainage, offers added strength.

3

8mm tolerance allows for easier fitting.

4

Designed with the installer in mind = straightforward to fit.

5

Both sculptured and chamfered options = matches Liniar windows.

6

Part Q compliant = complies with building regulations for new build

7

Range of threshold options inc. Part M low threshold = greater customer choice.

Consumer selling points

1

Thermally efficient = saving money on heating bills.

2

PAS24, Secured By Design and Part Q compliant = highly secure

3

Range of threshold options inc. Part M low threshold = family friendly.

4

Patented bubble gasket = no draughts or leaks.

5

100% lead-free = eco and family friendly.

6

Full profile guarantee = quality assurance and peace of mind.

7

British made = friendly, helpful and customer-focused.

Patio door

Fitted with Liniar's revolutionary multi-wheeled 'air glide' system, the Liniar sliding patio door is perfectly balanced as it moves along its track.

Liniar's innovative patio door features a built-in decelerator and hidden 'crash stops' within the operating mechanism, so as not to detract from the slim lines of the door.

Liniar's patented ModLok™ modular locking mechanism is built in to the frame, delivering unparalleled strength combined with the highest levels of security, with optional PAS 24 accreditation.

Accreditations



BS EN 12608



ISO 9001



BS EN 6375



PAS 24



CORGI Fenestration

Options

Frame

Standard

Sculptured (curved)

Glazing

28mm Double Glazing

or

28mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.2W/m ² K	1.0W/m ² K



Thresholds

Frame Only	Frame and Cill	Cill Mounted Threshold	Low Threshold	Low Threshold with integral ramp
50mm	80mm (inc cill)	60mm	30mm	25mm

Fabricator selling points

1

No internal reinforcement to fit = includes ModLok technology.

2

Reinforcement and lock are part of same face plate = faster to fabricate.

3

Available in 2, 3 and 4 pane options = more choice.

4

Available in bar length or in kit format from other Liniar fabricators.

5

Outer frame can be mechanically jointed if required.

6

Less brush pile to fit, saving fabrication time.

7

Sculptured frame fully matches Liniar windows.

8

Optional components to fabricate to PAS 24 security standards.

9

8-wheel acetal roller - up to 120kg per sash

Installer selling points

1

Centre lined keep and lock = easy fit on site

2

6 x anti-lift components for added security

3

Low threshold requires no trench excavation = less time consuming and messy.

4

Unique centre seal and continual weather seal.

5

PAS 24 security means the door meets Part Q building regulations

6

Bespoke glazing platforms - better drainage, added strength and symmetrical appearance.

Consumer selling points

1

8-wheel acetal system = offers a 'light as air' gliding motion.

2

Slim sightlines = less frame, more glass, lets in more light.

3

No unsightly crash stops thanks to built-in decelerator.

4

Thermally efficient = saves money on heating bills.

5

Range of threshold options including Part M threshold - family friendly.

6

Patented bubble gasket = no draughts or leaks.

7

100% lead free = eco and family friendly.

8

Weatherproof, thanks to unique centre seal and continuous weather seal.

9

Unrivalled security (with optional PAS 24 version)

Standard bi-fold door

Bi-fold doors are the perfect way to create space, let in fresh air and flood a room with natural daylight by being able to open up an entire wall.

Liniar offered the very first fully bespoke PVCu bi-fold doors to be engineered, designed and manufactured in the UK.

Liniar bi-fold doors offer excellent levels of energy efficiency, alongside superb security features and an innovative low threshold option, making them family and wheelchair friendly.

Accreditations



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

Standard

Sculptured (curved)

Glazing

28mm Double Glazing

Lowest possible U-Values

Double Glazed

1.3W/m²K

Thresholds

Frame Only	Frame and Cill	Part M Low Threshold	Low Threshold and Half Tray	Low Threshold and Full Tray
56mm	86mm	24mm	27mm	27mm



Fabricator selling points

1

The original bespoke PVCu bi-fold door = first on the UK market.

2

Can be fabricated as a bi-fold window, down to 750mm high.

3

Continuous hardware development.

4

Co-extruded patented bubble gasket = no need to clean corners.

5

Uses standard Linair beading = reduces overall stockholding.

6

Bottom hung wheels = strong and supporting

Installer selling points

1

Open in and open out options = wider choice of applications.

2

Simple beading system = easy to glaze.

3

Wide range of matching products = single point of guarantee.

4

Full colour installation guide and video = fewer callbacks.

5

Marketing support = helps increase sales to consumers.

6

Low threshold options = no large stepover trip hazard

Consumer selling points

1

Cost effective PVCu bi-fold door solution = matches PVCu windows.

2

From 2 to 4 panes, opening in or out = versatile range of options.

3

A modern take on a timber design = more thermally efficient.

4

Patented bubble gasket = no draughts or leaks.

5

100% lead-free = eco and family friendly.

6

Fully guaranteed = quality assurance and peace of mind.

ModLok™ bi-fold door

Liniar's ModLok™ bi-folding doors offer a totally unique option, thanks to the patented exoskeleton design giving them unparalleled strength, security and durability.

No other PVCu bi-folding door has been tested to over 127,000 full opening cycles; and with low U-values, PAS24 and Secured By Design accreditation, the Liniar ModLok™ is in a class of its own.

Liniar's ModLok™ technology earned the highly prestigious accolade of a Queen's Award for Enterprise in Innovation in 2017.

Accreditations



PAS24



Secured by Design



Queen's
Award



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Frame

EnergyPlus

- Sculptured (curved)
- or
- Chamfered (bevelled)

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.3W/m ² K	1.0W/m ² K

Thresholds

Frame Only	Frame and Cill	Part M Low Threshold	Low Threshold and Half Tray	Low Threshold and Full Tray
62mm	92mm	23.5mm	26.5mm	26.5mm



Fabricator selling points

1

Queen's Award winning product = demonstrates uniqueness of product.

2

Uses standard PVCu machinery = no expensive additional outlay required.

3

Aluminium exoskeleton includes combined lock and reinforcement.

4

Bespoke designed hardware = compatibility assured.

5

Fully tested with all accreditations including cyclic testing.

6

Wide range of colours from stock = shorter lead times.

7

Faster to fabricate - no internal steel reinforcement.

8

5 threshold options including Part M low threshold.

9

Mechanical joint mouldings for easy fabrication.

Installer selling points

1

Queen's Award winning product.

2

Patented aluminium exoskeletal structure.

3

Can be offered as cost-effective alternative to aluminium.

4

Range of threshold options including Part M low threshold = greater choice.

5

Fully tested with all accreditations including cyclic testing.

6

Captive top track and bottom rolling system - avoids mis-handling.

7

Compatible with Liniar PVCu frame extensions = many will already have.

8

Installation guide and video available = full installation support.

9

Matching products and marketing support = helps increase sales to consumers.

Consumer selling points

1

Queen's Award winning product = demonstrates uniqueness of product.

2

Spans greater than other PVCu bi-folds; up to 6m wide overall.

3

Thermally efficient = saving money on heating bills.

4

Supreme strength and stability = a cost alternative to aluminium bi-folds.

5

Symmetrical sightlines and a flush finish = attractive appearance.

6

PAS24 and Secured By Design accredited = highest degree of security.

7

Choice of thresholds, including weather rated low threshold.

8

Triple glazing options available = higher acoustic values.

9

Fully guaranteed = quality assured for peace of mind.

Alumina system

Liniar's Design & Development team were given the challenge to create a thermally efficient aluminium door with the same sculptured profile as the window system and the option to be foiled for a perfect match.

Residential door

The true aluminium make-up of Alumina is perfect when fabricated as a stand-alone residential door, complementing the style of the Liniar PVCu flush sash system.

Ideal for commercial or heavy duty applications, Alumina offers added strength and security.

As with all Alumina products, residential doors can be supplied with almost any powder coated RAL finish, or foiled with one of Liniar's realistic factory fitted woodgrain foils.

Residential doors are available with 28mm double or 36/40mm triple glazing, offering U-values as low as 1.2W/m²K.

French door

Alumina French doors offer an alternative to PVCu for wider apertures with panes able to span up to 1.2m wide. The thermal polyamide lock, thermal insert and triple glazing option enable Alumina doors to reach U-values as low as 1.2m²K whilst meeting PAS24 and Secured by Design requirements making all Alumina doors Part Q compliant.

All Alumina doors are offered with a number of threshold options including a low threshold, which can be made to Part M access regulations and is fully weather tested. With fully sculptured beads, Alumina French doors can be foiled to match Liniar's PVCu flush sash window system – or order with any RAL powder coated finish.

Bi-Fold door

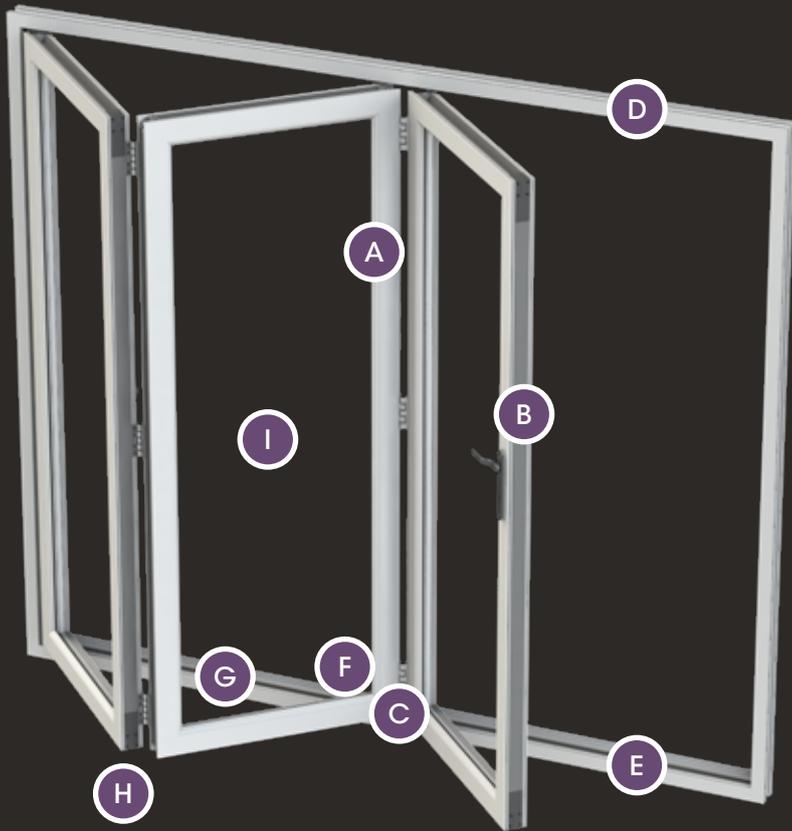
The jewel in the crown of the Alumina range, fully aluminium bi-folding doors provide the means to open up an entire wall of a building and give a cutting edge appearance to commercial developments.

With the ability to span up to 7 panes wide, with a total width of 8.5m, Alumina bi-folds have a sash span of 1.2m and a sash height of 2.5m. With a bespoke bottom-rolling 4-wheeled system, Alumina doors offer a heavy duty solution for a variety of applications.

Alumina bi-fold can be supplied with any powder coated RAL finish, or foiled with one of Liniar's realistic, factory fitted woodgrain foiled to match the PVCu window suite.



Main Alumina door components



- A Sash
- B Polyamide Lock
- C Hardware
- D Captive Top Track
- E Bottom Track
- F Rollers
- G Threshold
- H Shootbolt Locking
- I Glazing



1

Polyamide Lock



2

Double Rollers



3

Low Threshold

Alumina doors

Alumina by Liniar is the first thermally efficient aluminium door designed to match a PVCu window system, with sculptured lines and an optional 'warm touch' foiled exterior.

The system breaks new ground with superb strength and high security, plus Alumina doors can be manufactured using standard aluminium machinery.

Able to span 1.2 metres wide per sash and 2.5 metres high, Alumina benefits from an innovative thermal lock that not only provides superb strength but contributes to impressively low U-values.

Accreditations



PAS24



Secured by Design



BS EN 12608



ISO 9001



BS EN 6375



CORGI Fenestration

Options

Bi-Fold Door - 2 to 7 panes

or

French Door

or

Residential Door

Glazing

28mm Double Glazing

or

36mm/40mm Triple Glazing

Lowest possible U-Values

Double Glazed	Triple Glazed
1.5W/m ² K	1.3W/m ² K



Thresholds

Frame Only	Frame and Cill	Low Threshold	Low Threshold and Half Tray	Low Threshold and Full Tray
62mm	92mm	23.5mm	26.5mm	26.5mm

Fabricator selling points

1

Alumina can be foiled to match PVCu windows.

2

Deal direct with Liniar = no aluminium systems houses.

3

Alumina comes with bespoke hardware.

4

All Liniar fabricators can offer Alumina as part of their range.

5

Liniar fabricators can apply to fabricate Alumina in-house.

6

Concealed drainage = eliminates the need for face drain caps.

7

Foiled cills, low thresholds and tray interchangeable with ModLok™ bi-fold

8

Compatible with Liniar PVCu frame extensions = lower stockholding.

9

Fully guaranteed = quality assured for peace of mind.

Installer selling points

1

Foiled Alumina come with matching PVCu beads.

2

Offer a fully matching, sculptured and foiled bi-fold.

3

Single Liniar guarantee covering the full range.

4

Range of threshold options inc. Part M low threshold = greater customer choice.

5

Concealed drainage = eliminates the need for face drain caps.

6

Captive top track = easier to install and helps to prevent mis-handling.

7

Compatible with Liniar PVCu frame extensions - many will have on their van.

8

Available fully built or in kit format = ideal when access is restricted.

9

Installation guide and video available = full installation support.

Consumer selling points

1

Sashes up to 1.2m wide and 2.5m high.

2

Available in a range of foiled options - matching windows.

3

More cost effective than full aluminium installation.

4

Includes patented thermal lock = keeps more heat inside the property.

5

PAS24 and Secured By Design accredited = highest degree of security.

6

Sculptured style and flush lines = more attractive appearance.

7

Choice of thresholds, inc. weather rated low threshold with no trench excavation.

8

Triple glazing = higher acoustic values and more thermally efficient.

9

Fully guaranteed = quality assured for peace of mind.

Conservatory roof system

The Linar conservatory roof matches perfectly with its range of PVCu windows and doors - resulting in one of the most thermally efficient conservatories in the UK.

A touch of colour

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

Designed for today

Our unique EnergyPlus twin-walled top caps keep more of the warmth inside the building, making it less expensive to heat. Linar's carefully engineered roof design results in no holes or gaps for water ingress.

Adding extra space

From lean-to sunrooms to large Victorian garden rooms, each Linar conservatory roof is designed and built to your exact specifications - in as little as five days from quote acceptance.

Roof kits

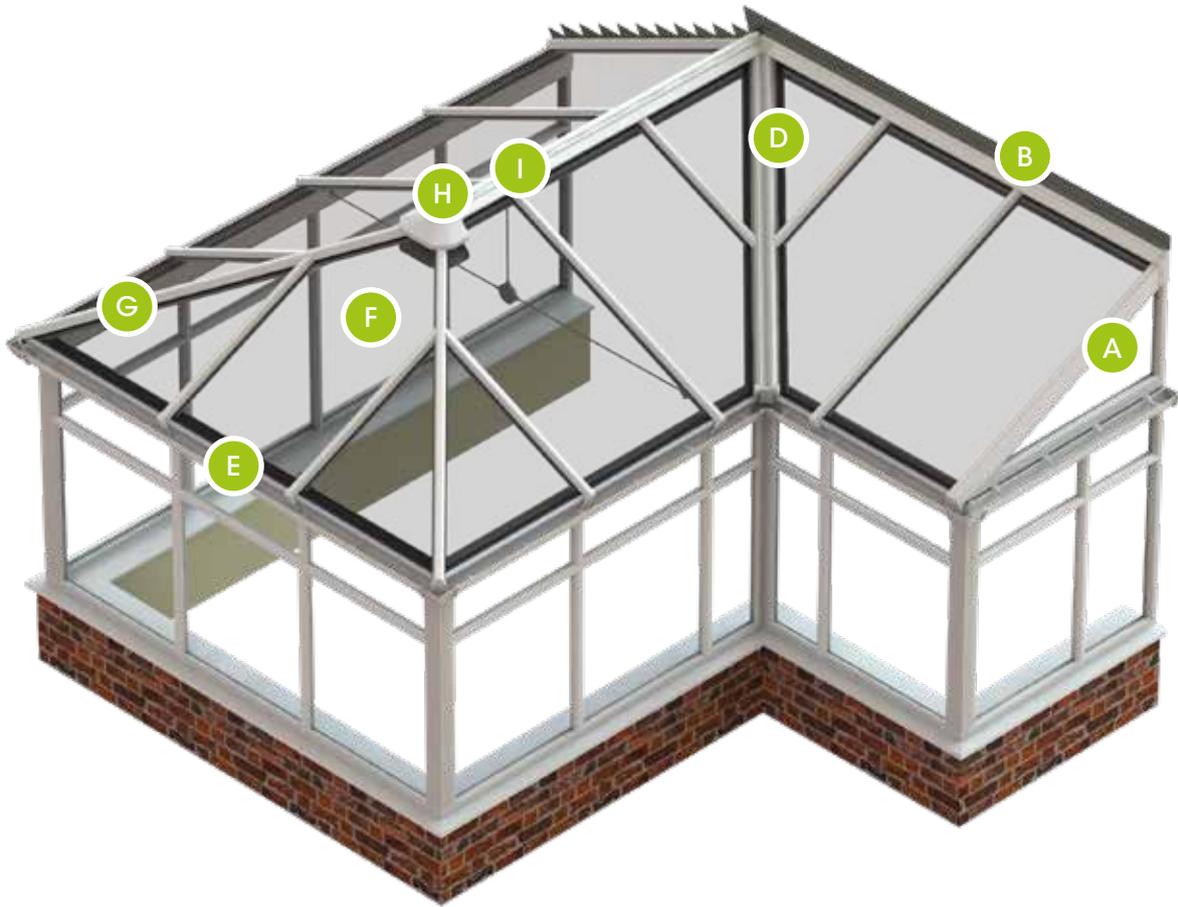
The Linar conservatory roof is available to installers in kit format, making it simple to assemble, fit and adjust on-site.

Why Choose Linar Conservatories?

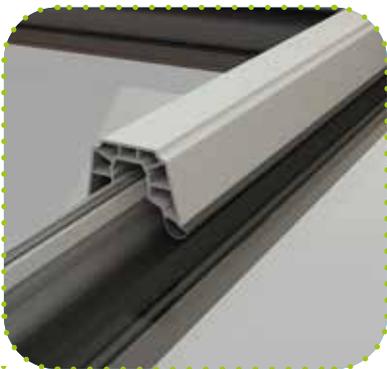
- No more glazing slip - thanks to Linar's unique patented valley glazing stop
- EnergyPlus twin-walled top caps for greater thermal efficiency and an alternative to expensive aluminium
- Lantern roofs also available
- Pre-closed permanent memory foam, with a pre-applied primary seal and a ridge cap which attaches to leave no screw holes for water ingress
- If you can design it, Linar can make it! All roofs are made bespoke to your requirements.
- The Linar roof is easy to fit with tolerance engineered in, as well as being fully on-site adjustable for reduced installation time
- Concealed tie bar fixings are available, as well as tie wire options, for a more contemporary appearance.





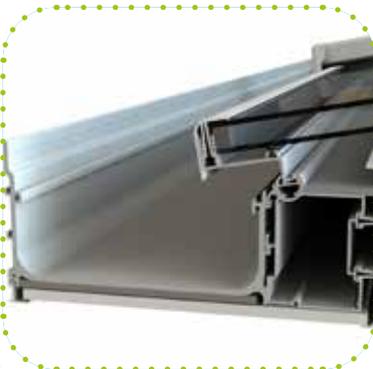


- A** Wall/End Bar
- B** Wallplate/Half Ridge
- C** Roof Bar/EP Top Cap
- D** Valley
- E** Eaves Beam
- F** Glazing/Polycarbonate
- G** Hip Bar
- H** Cresting/Finial
- I** Ridge Blanking Cap
- J** Box Gutter
- K** Glazing Stop/Retainer



C

EnergyPlus Top Caps



J

Deep Flow Box Gutter



K

Glazing Stop



1

D Ring Connector



2

Tie Bar / Tie Wire



3

Foam Weatherseal



4

Blanking Cap

Conservatory roof

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

Accreditations



BS EN 12608



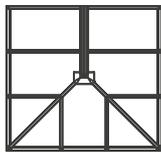
ISO 9001



CORGI Fenestration

Options

Edwardian



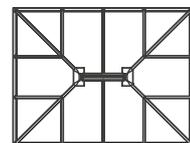
Also known as Georgian, this style is square or rectangular with a high, sloping roof, allowing you to maximise your living space.

Lean-To



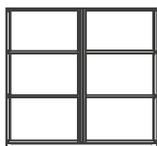
This style offers a simple, cost effective solution for bungalows and porches, allowing maximum space in an economical style, and is often a popular choice.

Double Hipped



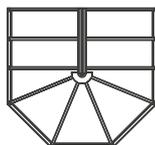
With a pitched roof on both sides, this option strikes the balance between style and a seamless fit with most properties.

Gable



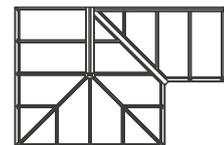
Fully glazed right up to the apex, this style also has a square or rectangular footprint. Offering a stunning impact, this is often called the 'sun burst'.

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 three or five facets.

Combination (P Shape)



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

Fabricator selling points

* Available in kit format from Liniar

Installer selling points

1

Patented Glazing Stop = glazing retainer avoids 100% of glass slippage.

2

EnergyPlus twin-walled top caps = supreme strength and easier to fit.

3

Comes in a kit with everything the installer needs = easier to manage on site.

4

Thermal strip on box gutter = reduces call-backs for condensation issues.

5

Patented memory foam seals included = offers weathertight finish.

6

Full colour installation guide supplied with every roof kit = faster to fit.

7

Marketing resources available = help increase sales to consumers.

8

Available with a number of glazing options

Consumer selling points

1

Thermally efficient EnergyPlus top caps = saving money on bills.

2

Fully matches Liniar windows, doors and outdoor ranges = single point of guarantee.

3

Can be made to any shape or style = designed bespoke for your property.

4

Every component is foiled to match for a seamless appearance

5

Contemporary ridge cover and foiled end caps = attractive appearance.

6

100% lead-free = eco and family friendly.

7

Full profile guarantee = quality assured for peace of mind.

8

British made = friendly, helpful and customer-focused.

9

Wide choice of colours from stock = faster lead times.

elevate roof

The stunning lantern style roof from Liniar, Elevate features slim sightlines and a sleek transition of roof bars, allowing in more light for an unobstructed view.

Elevate is available in kit format to your bespoke size and specification, arriving with everything needed for a swift installation. Liniar's EnergyPlus twin walled top caps are included with every Elevate kit, ensuring a strong and robust fit, and delivering the ultimate in thermal efficiency.

Accreditations



BS EN 12608



ISO 9001

ISO 14001

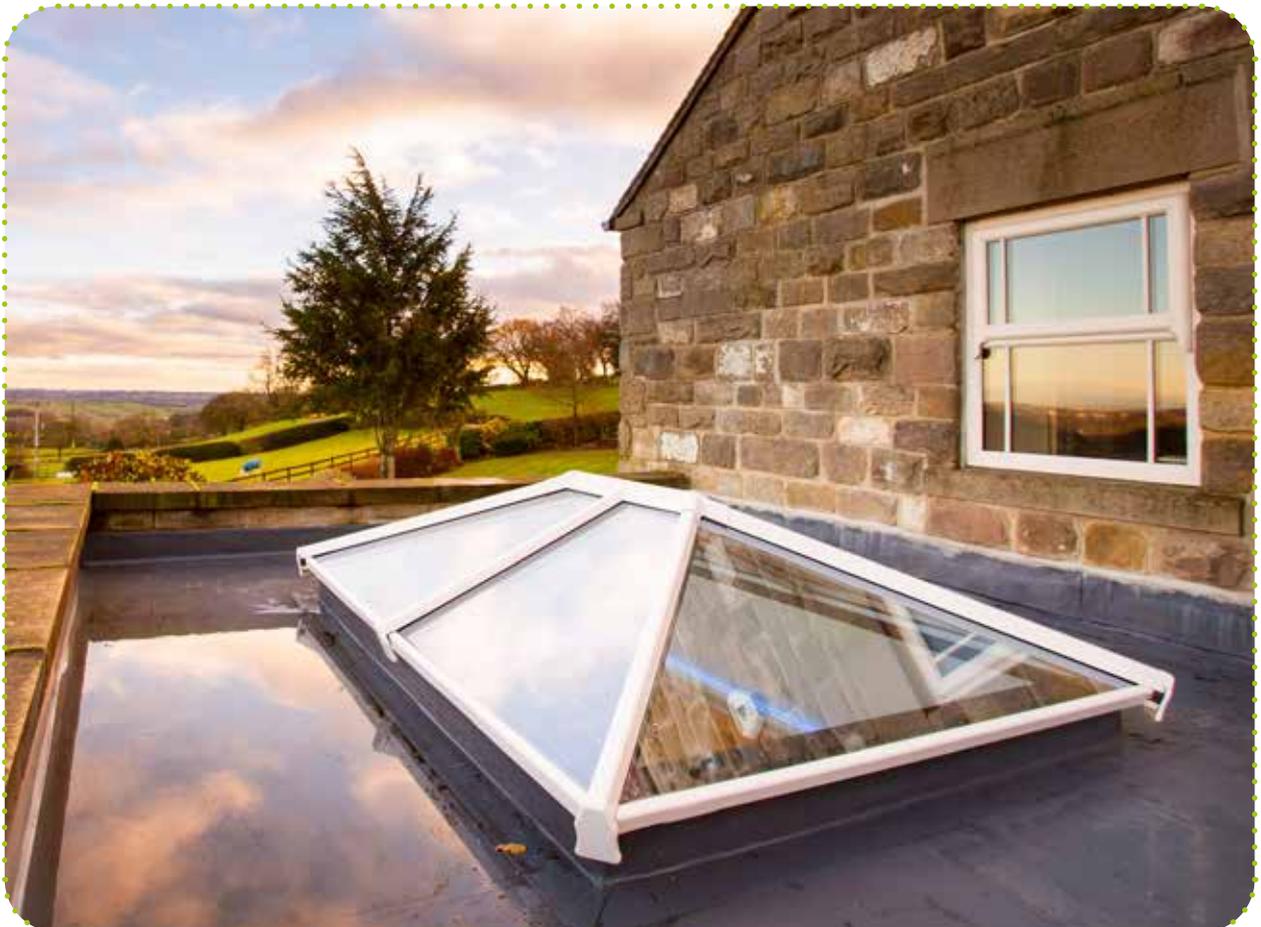


CORGI Fenestration

Options

Transom Bars

Square shape



Fabricator selling points

Made to order and available in kit format from Liniar, in just 5 working days.

Installer selling points

1

Arrives in kit format with everything needed on site.

2

36 colour combinations delivered in just 5 working days.

3

Can be assembled and installed in less than 30 minutes.

4

Thermal strip on box gutter = reduces call-backs for condensation issues.

5

Fewer transom bars for a sleek appearance and to let in more light.

6

Patented Glazing Stop prevents glass slippage.

7

Includes weather dam and EnergyPlus top caps for superb thermal efficiency.

8

Choose glazed or unglazed for the ultimate in flexibility.

9

Covered by the Liniar 10 year guarantee.

Consumer selling points

1

A stunning, sleek addition to your home, allowing in light with unobstructed views.

2

Superb thermal efficiency helps reduce heating costs.

3

Totally weatherproof, thanks to Liniar's patented weather dam.

4

Up to 36 colour combinations to match the rest of your home.

5

Foiled components ensure a fully matching, beautiful finish.

6

Matches Liniar windows, doors and outdoor ranges = single point of guarantee.

7

Available up to 2.4m x 5.4m for even the largest orangery or extension.

8

Strong, robust and secure.

9

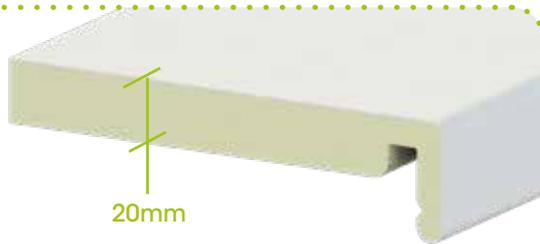
Made in Britain and covered by Liniar's 10 year guarantee.

Roofline range

Not only is Liniar's roofline made from the same 100% lead-free PVCu as the windows, the foiled woodgrain finishes are factory fitted in-house to perfectly match the rest of the range.

Soffits and fascias, including both capping and replacement boards, are 2mm-4mm thicker than conventional boards for extra strength.

The range of soffit and fascia trims, from simple joints to complex corners, make installation quick and easy.



Replacement Fascia Board

Available in 150mm, 175mm, 200mm, 225mm, 250mm, 300mm, 354mm and 454mm.



Capping Fascia Board

Available in 150mm, 175mm, 200mm, 225mm, 250mm, 300mm, 354mm and 454mm.



Flat Board

Available in 150mm, 175mm, 200mm, 225mm, 250mm, 300mm, 354mm and 454mm.



Soffit Board

Available in 100mm and 300mm.

Soffit Trims

- Felt Roof Trim
- H Joint Trim
- J Starter Trim
- F Wall Trim
- Soffit Ventilator
- 2 Part Base & Cap
- In-Line Joint Trim
- Gable Finial
- 135° Corner Internal
- 135° Corner External
- 90° Corner Internal
- 90° Corner External



Fabricator selling points

1

Enables fabricators to offer a fully matching Liniar range to installers.

2

Single point of purchase and guarantee.

3

Delivered alongside window and door profiles = ease of booking in.

Installer selling points

1

Fascia boards 20mm thick instead of customary 16mm-18mm = greater strength.

2

Longer return legs and extra cover on mouldings = faster installation.

3

Pre-marked protective tape = easy to find centre line and make straight cuts.

4

Fully matching with other Liniar products = single point of guarantee.

Consumer selling points

1

Perfect colour match to Liniar range = beautiful appearance.

2

Low maintenance when compared to timber roofline products.

3

Made from the same 100% lead free PVCu as Liniar's other products.

4

Single point of guarantee with one provider.

5

Made in Britain at Liniar's high tech Derbyshire facility.

Building products

Linlar Approved installation products have been carefully selected for window installers, builders and contractors to complement the rest of the of the Linlar range.

Silicone sealants, decorator's caulk and expanding foam has been specifically chosen from the UK's leading experts to meet the exacting needs of installers.

Cleaners and adhesives provide high quality at a cost effective price, while our fixings and packers come in handy packs and a variety of sizes.

Trims



D Mould

24mm



Clock Foam Trim

18mm and 28mm



Quadrant Trim

13.5mm and 18.5mm



Chamfered Foam Bead

18mm



Architrave

45mm, 65mm and 95mm



Adjustable Angle

50mm



Adjustable Angle

75mm

Installation Supplies

- Glass Cleaner
- PVCu Solvent Cleaner
- PVCu Cream Cleaner
- Superglue
- Superglue Activator
- Fixings
- Packers
- Accessories



Fabricator selling points

1

Enables fabricators to offer a fully matching Liniar range to installers.

2

Single point of purchase and guarantee.

3

Delivered alongside window and door profiles = ease of booking in.

Installer selling points

1

Full range of trims, roofline and silicones = offer a perfect colour match.

2

Designed with installers in mind = high quality and easy to fit.

3

Collect at the same time as your Liniar windows and doors.

4

Internal foam trims and architraves mean you can finish the job to perfection.

Consumer selling points

1

Perfect colour match to Liniar range = beautiful appearance.

2

Low maintenance when compared to timber roofline products.

3

Made from the same 100% lead free PVCu as Liniar's other products.

4

Single point of guarantee with one provider.

5

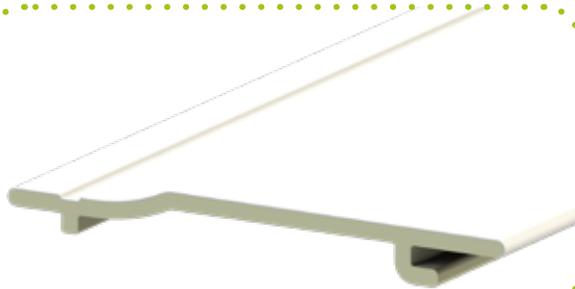
Made in Britain at Liniar's high tech Derbyshire facility.

Cladding

New for 2019 – Liniar shiplap cladding provides the ultimate solution for timber-style cladding without the ongoing maintenance.

Liniar's 150mm interlocking boards include a 'secret' fixing design for a high quality finish, together with a wide range of jointing options and finishing trims – all colour matched.

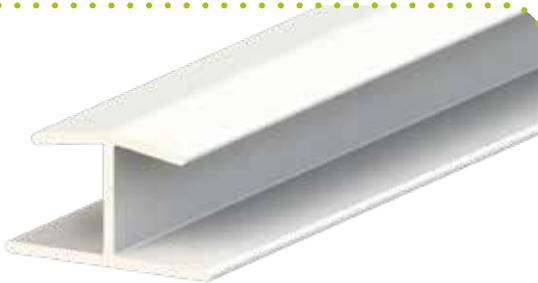
In four colour options from stock, special colours are also available for large quantity orders on a longer lead time.



Cladding Board



Edge Trim



H Joint Trim



Two Part Corner Trim



Fabricator selling points

1

Enables fabricators to offer a fully matching solution with the Liniar range

2

Single point of purchase and guarantee

3

Easy ordering and delivery – with window and door profiles

Installer selling points

1

Secret fixing design provides a high quality finish effortlessly

2

150mm interlocking boards = easy installation

3

Fully matching with the Liniar range – single point of guarantee

Consumer selling points

1

Fully matching Liniar windows and doors = elegant finish

2

Low maintenance – compared to timber cladding

3

Made from 100% lead-free PVC – from a sustainable manufacturer

4

Made in Britain in the heart of the East Midlands

5

Single point of guarantee from one provider = no hassles

Outdoor range

Liniar's outdoor range incorporates innovative decking kits, fencing systems and plastic piling.

Decking Kits

Liniar's decking systems are available in bar length or as a bespoke cut-to-size kit.

Well renowned for style, high quality, strength, low maintenance and durability, there's a whole host of additional benefits to Liniar decking.

Original 225mm and new SwitchBoard deckboards are anti-slip and Class 1Y Fire rated for safety. Liniar's galvanised steel sub-frames, unparalleled in the market, come part assembled for an easy build.

The only fully sculptured balustrade system on the market also comes pre-fabricated, meaning no more fiddly cutting and fitting of handrails with pickets.

Deckboards are supplied cut to length for hassle-free installation. Gates are delivered complete and modular steps come pre-fabricated – all saving installers an incredible amount of time on site.

Kits are supplied with all necessary fixings and required hardware to put the deck together.

As well as saving time on installation, all of these benefits remove the problem of finding sufficient space on site for cutting and assembly, keeping mess and noise to a minimum. And with components available from stock, waiting times are kept low, with standard deck kits being delivered in 7 - 14 working days.

SwitchBoard decking is dual-sided and carries a full 10-year warranty.*

Fencing

When it comes to fencing, PVCu may not be the obvious choice for anyone used to more traditional materials, such as concrete and timber. But, as a growing number of landscapers, commercial developers and homeowners are discovering, it's now the smart choice.

Advances in technology over recent years have made fencing manufactured from PVCu a real alternative to more traditional materials – and for good reason. Light to carry, easy to install, weatherproof and virtually maintenance free, lead-free PVCu fencing from Liniar beats the competition hands down. You may be forgiven for thinking plastic fencing is too flexible to use as a border. However, the internal chambers within each panel of Liniar fencing, together with steel reinforcement in the posts, give it unparalleled strength, built to stand up to even the strongest winds and storms. Available in 3 finishes - classic, composite or woodgrain foiled - and 10 colour options.

Piling

Plastic piling is available ex-stock in a variety of lengths and systems, including the traditional standard pile shape that can be configured as 'Z-ribbed' (for light use) or 'box' (for heavier use), and the facility for tying back and creating 90° corners. Liniar has also developed its own unique Log Pile, a system of interlocking tubes forming an attractive border and retention solution in one.

*See www.liniar.co.uk/warranties for details

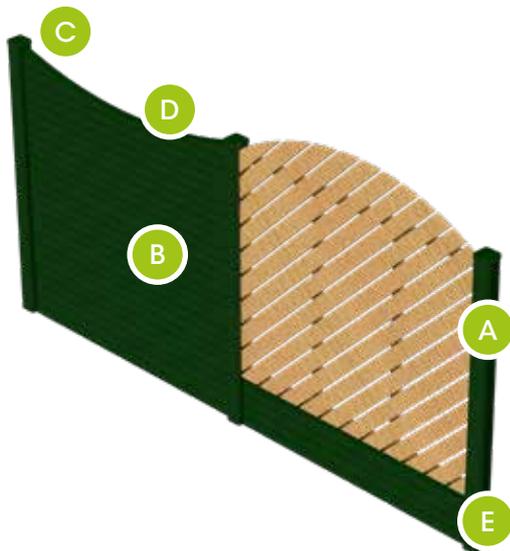


Main decking components



- | | | |
|--------------------------|----------------------|---------------------|
| A Balustrade | D Steps/Ramps | G Deckboards |
| B Picket | E Gate | H Sub-frame |
| C Post Cap/Lights | F Handrail | I Skirting |

Main fencing components



- | |
|-----------------------|
| A Post |
| B Fence Panels |
| C Post Cap |
| D Concave Top |
| E Gravelboard |

225mm Decking

Liniar's range of decking is the only one that's designed, modelled, tooled, manufactured, foiled and stocked at its 400,000ft² UK facility.

With anti-slip deckboards on a strong, robust galvanised steel sub-frame and featuring the only fully sculptured balustrade system, Liniar decking is available with a wide choice of accessories.

Liniar decking is also now available in kit format and delivered to site part assembled and cut to size to save installers precious time.

Accreditations



BS 476-7
Surface Fire
Safety



BS EN 7976
Anti-slip



BS EN 660-2
Anti-wear



BS EN 24346
Resilience

Accessibility



Steps



Ramps



Gates



Sculptured picket
or
Glass picket
or
Glass panels



Ranch style skirting
or
150mm v.skirting
or
300mm v.skirting

Lights



Globe Light



LED Light

Decking installer selling points

1

Full training from Liniar = installers shown how to fabricate decks on site.

2

Made in Britain = designed, tooled, manufactured, foiled and stocked at Liniar's HQ.

3

Full range of matching accessories available = wide choice for installers.

4

Comes in a kit with everything the installer needs = easy to manage.

5

Steps and gates supplied pre-fabricated = simple to assemble.

6

Full assembly instructions provided with each kit = quick to install.

7

Pre-cut galvanised steel sub-frame = less mess and noise on site.

8

Unique 'nogging' to fix sub-frame together = save up to 40% install time.

9

Cut to your specifications = less time on-site

10

Tongue and groove design with concealed fixings

11

Wide choice of colours and styles available from stock = short lead times.

12

Delivered nationwide on Liniar's own transport = where and when you need it.

Consumer selling points

1

Tongue and groove design, wood patterned deckboards with concealed fixings.

2

Low maintenance system = won't rust, rot, warp or splinter and never needs staining.

3

Wood patterned deckboards that are slip and wear resistant.

4

Fully sculptured balustrade system = attractive and stylish finish.

5

Factory foiled balustrades perfectly complement other Liniar products.

6

Decking load tested to in excess of 500 kg/m² = strong and robust.

7

100% lead free and made from part-recycled PVCu = eco friendly.

8

Accredited with Class 1Y Fire Safety = offers more resistance to fire.

SwitchBoard 150mm Decking

Liniair's SwitchBoard two-sided composite decking is anti-slip, low maintenance and ideal for domestic gardens and holiday homes.

Arriving with one woodgrain patterned side and one corrugated side, SwitchBoard decking is versatile and ideal for a range of applications.

The SwitchBoard decking system is 150mm for easy project calculations and its 'Quick Clip' technology means easy, quick installation times.

Accreditations



BS 476-7
Surface Fire
Safety



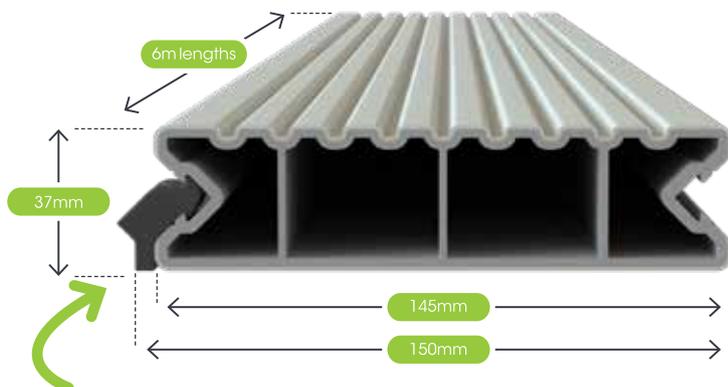
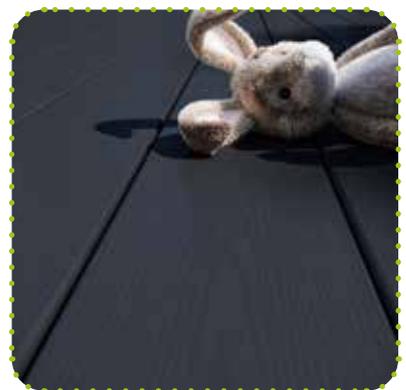
BS EN 7976
Anti-slip



BS EN 660-2
Anti-wear



BS EN 24346
Resilience



The 'Quick Clip' fixing solution has been designed for a swift, easy installation with no visible screws.

Full range of matching end caps and trims available.



SwitchBoard
End Cap



SwitchBoard
Side Trim



SwitchBoard
Starter Clip



U Channel
End Trim



Twin Wall
U Channel Trim



Aluminium
Angle Trim

SwitchBoard installer selling points

1

Full training from Liniar = installers shown how to fabricate decks on site.

2

Dual-sided deckboards with 10 Year Colour and Performance Warranty*

3

Innovative 'Quick Clip' fixings act as spacers

4

Comes in a kit with everything the installer needs = easy to manage.

5

Steps and gates supplied pre-fabricated = simple to assemble.

6

Full assembly instructions provided with each kit = quick to install.

7

Pre-cut galvanised steel sub-frame = less mess and noise on site.

8

Unique 'nogging' to fix sub-frame together = save up to 40% install time.

9

Cut to your specifications = less time on-site

10

Choice of 5 nature-inspired colours

11

Made in Britain = designed, tooled, manufactured, foiled and stocked at Liniar's HQ.

12

Delivered nationwide on Liniar's own transport = where and when you need it.

Consumer selling points

1

Attractive decking solution with a choice of two finishes.

2

Low maintenance system = won't rust, rot or warp and never needs staining.

3

Anti-slip and wear resistant on both sides.

4

Fully sculptured balustrade system = attractive and stylish finish.

5

Factory foiled balustrades perfectly complement other Liniar products.

6

Strong and robust - decking load tested to in excess of 500 kg/m².

7

100% lead free and made from fully recyclable composite PVCu.

8

Accredited with Class 1Y Fire Safety = offers resistance to fire.

9

Barefoot-friendly - no splinters!

* Visit www.liniar.co.uk/warranties for details

Fencing

Linlar's fencing range is an attractive alternative to more traditional products - it can be installed in exactly the same way but offers a more flexible and durable solution.

At a fraction of the weight of concrete, it's much easier to erect - and unlike timber it doesn't rot or require regular maintenance. Fencing panels are easily created using several gravelboards

slotted into place. The system is fully compatible with existing concrete or timber posts for ultimate versatility.

Options

Lights



Globe Light



LED Light

Convex Top



Concave Top



Installer selling points

1

More lightweight than timber or concrete = easy to carry to site and lift.

2

Installed in exactly the same way as traditional systems = no specialist equipment.

3

Fully interchangeable with timber or concrete systems = versatile.

4

System comprises posts and panels, which slot together to make up a full fence.

5

Posts are reinforced with steel = robust, stable finish.

6

Designed, tooled, manufactured, foiled and stocked at Liniar's HQ.

Consumer selling points

1

Durable = will not crack, break, corrode, splinter, rot or warp.

2

Maintenance free = never needs sanding, staining or painting.

3

Strength tested = strong enough to withstand storm force winds.

4

Available in 10 colours and finishes = attractive, realistic appearance.

5

Decorative arched tops available = attractive finish.

6

Ranch style fencing with horizontal bars also available.

7

Can be interchanged with Liniar balustrade to add a beautiful finish.

8

Matching gates are available if required.

Balustrade Fencing

An ideal alternative to picket fencing, Liniar's balustrade fencing provides a strong, attractive boundary for domestic gardens, holiday and theme parks and sporting facilities.

Liniar's balustrade fencing offers vertical pickets to replicate the appearance of picket fencing but is available in a range of 6 colours, providing more versatility than the standard white picket fencing.

Additionally, the Balustrade Fencing system from Liniar is maintenance free and is guaranteed not to rot or rust – making it extremely durable.



Installer selling points

1

Covered by Liniar's
10 Year Guarantee

2

Tested in-house for
robustness, durability
and quality.

3

Provided in
pre-fabricated panels
for easy installation

4

Ideal for communal areas like
playgrounds and parks.

5

Available to match Liniar balustrades in a
choice of six colours.

Consumer selling points

1

Replicates the
appearance of
picket fencing.

2

Maintenance-free =
no need for sanding,
painting or staining.

3

100% weatherproof -
Liniar balustrade fencing
doesn't rot or rust.

4

Liniar balustrade fencing has been
designed not to crack, break or
corrode and there's no risk of splinters.

5

An attractive option for permanent
applications such as gardens and
sports fields.

6

Choose from standard post caps or
opt for globe or LED lighting.

Piling

Linlar manufacture a wide range of piling styles dependent on strength, ease of installation and type of appearance required.

We have the capability to manufacture plastic piling in a wide range of lengths, direct from our UK factory, to be used in a number of applications across different industry sectors.

Linlar's plastic piling has a number of benefits over traditional steel, timber or concrete piling; mainly cost, durability, ease of handling and environment.

Options



Full Pan Pile

- Bank retention and restoration
- Temporary civil engineering works



Log Pile

- Landscaping and bank retention
- Where a soft engineering appearance is required.



Standard Pile Z Ribbed

- Bank retention
- Floodwalls



Standard Pile Box Format

- Water and bank retention
- Higher retained heights



Trench Shoring

- Temporary trench shoring during engineering works

Full engineering values are available at:
www.linlar.co.uk/plastic-piling

Accessories

- Capping Strip
- Corner Pile
- 2-Way Connector Pile
- 3-Way Connector Pile
- Mini Pile
- Log Pile Cap
- Log Pile Driving Cap
- Sheet Pile Driving Cap

Installer selling points

1

Log pile is ideal for soil and water retention challenges
= attractive finish.

2

Lighter than steel = easier to transport and handle.

3

Can be installed by hand
= no expensive machinery to hire.

4

Additional offering for window or decking installers = more sales opportunities.

5

Can be easily cut or bored = no risk of sparking.

6

Full engineering values available on the Liniar website.

Consumer selling points

1

Maintenance free retention solution for landscaping.

2

Will not rot or rust = long term solution.

3

Carries a Class 1Y Fire Rating.

4

Manufactured from recycled plastic = eco-friendly.

5

Resistant to salt water, rodent and marine borer attack.

6

Curved walls and corners no problem.

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Roofs - roofs@liniar.co.uk

Decking - decking@liniar.co.uk

LiniarConnect - connect@liniar.co.uk

Online

www.liniar.co.uk

Useful links:

Specifier's centre: www.liniar.co.uk/specifiers

WER calculator: www.liniar.co.uk/wer-calculator

Hardware: www.liniar.co.uk/hardware

LiniarConnect: www.liniar.co.uk/liniarconnect

Find a Stockist: www.liniar.co.uk/stockists

Warranties: www.liniar.co.uk/warranties



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