



# Discover Liniar

innovation, sustainability and loyalty



# Discover Liniar

The Liniar brand is synonymous with innovation and quality and is manufactured by HL Plastics at its state-of-the-art extrusion facility in Derbyshire.

With a focus on research, development and design, the Liniar range pushes the boundaries when it comes to product innovation.

Continued investment in infrastructure, technology and a great team of people has brought market-leading success and sustainable growth.

Facilities include a customer showroom displaying the whole product range, the biggest PVCu mixing plant in Europe and a growing fleet of delivery vehicles – all combining to make Liniar truly customer focused.

**Our mission is to be recognised as a leading force for quality and excellence in product development – fusing industry experience with innovation, sustainability and loyalty.**

At a glance:

- Part of the Flamstead Group of companies
- Manufacturing in the UK since 1974
- Winner: Growing Business of the Year (mid-sized) 2014 – in association with Lloyds Bank and the CBI
- Derby Telegraph Company of the Year 2014
- Systems Company of the Year – National Fenestration Awards 2014
- MD Roger Hartshorn included in The Manufacturer Top 100 list of the most influential role models in manufacturing 2014.



## The Flamstead Group

The Flamstead Group of companies is part of Quanex Building Products, with a healthy balance sheet, a turnover in excess of £69m (and growing) and an ongoing capital investment programme with regular expenditure on facilities, machinery, training and development.

The Flamstead Group was featured in the London Stock Exchange's 2013 and 2015 books: "1000 companies to inspire Britain."

**Quanex**  
building products



**FLAMSTEAD  
HOLDINGS**



2015 Budget  
Turnover: £67m, Staff: 415

2015 Budget  
Turnover: £2.6m, Staff: 17



## Liniar products

The purpose-built factory and facilities include twin strand extruders, underground water recycling plants, a 3D printer for model design and product development and a robot for cyclic testing - all combining to make Liniar a market leader in PVCu extrusion.

Liniar's customers are spread across the UK and Ireland, with some Liniar products also exported worldwide to countries including Sweden and Thailand. Customers usually come under one of three categories:

### Window fabricators and installers



Liniar's window, door and conservatory range features the most technically advanced multi-chambered PVCu profile on the market. The Liniar range was designed from scratch in 2008 to deliver benefits for fabricators, installers and homeowners, the Liniar glazed range delivers value and quality together with the highest energy efficiency (see pages 6 - 7)

### Holiday home and park owners



Liniar's decking and fencing ranges provide a low-maintenance option for holiday homes and gardens, with Liniar's system designed to be built on a galvanised steel sub-frame for optimum strength, durability and ease of installation. The range features a wide choice of accessories including matching steps, ramps, gates and storage boxes. (see pages 8)

### Construction, industrial and landscaping firms



Plastic piling is the eco-friendly solution for many projects, with Liniar's high-strength, recycled pile providing developers and specifiers with an alternative to steel or timber. From sheet pile to trench pile plus the innovative log pile with timber composite fascia, the applications for Liniar piling are many and varied across a wide number of different industries. (see page 9)



# Windows and doors

Launched in 2008, the Liniar window system is still the most technically advanced PVCu profile available.

Designed from scratch by experts with over 500 years of industry experience to take advantage of the very latest developments in window engineering technology. Offering a choice of sculptured and chamfered systems, together with standard 4-chamber or EnergyPlus 6-chamber profiles, Liniar windows can achieve an A+ Windows Energy Rating without the need for expensive triple glazing or modifications at the fabrication stage.

The Liniar system combines high-tech design and engineering with the flexibility to create an individual appearance for every home, pushing the boundaries to create a choice of standard and EnergyPlus ranges to satisfy even the highest window specification requirements. And with Liniar's patented double-action bubble gasket offering a continuous seal, even in the corners, draughty windows are a thing of the past.

Featuring the high-tech ModLok™ bi-folding door and patio door systems, together with French doors and a range of residential and composite doors, Liniar's product range is continually developing. Being able to offer the very latest designs gives Liniar's customers a leading edge against their competitors, with developments such as the flush sash window offering an attractive alternative to the bulky frames of the past.

With approved manufacturers all over the UK and Ireland producing lead-free Liniar windows to the highest standards, crammed with the most advanced safety features on the market, the Liniar range is fully supported by customer-facing teams at its state of the art factory in the heart of Derbyshire.





# Liniar Zoom roofs

Fully bespoke conservatory roof solutions available in kit format for installers

Matching perfectly with the Liniar range of windows and doors, the Liniar Zoom conservatory roof system is available in kit format, containing everything necessary to build one of the most simple to fit, secure, weather proof and energy efficient conservatories on the market.

Ongoing innovation has resulted in a huge variety of patented features such as Glazing Stop, which eliminates 100% of glazing slip on glass and polycarbonate roofs, and Liniar's rigid twin walled top caps to improve thermal efficiency.

Designed for a one man fit, the Liniar roof is built for on-site adjustment, making everything easier for the fitter; and comes supplied with a full installation guide and video to explain exactly how to install each part.

The Liniar Zoom roof system is available in a wide range of styles, sizes and colours and enables installers to offer a single point of guarantee to homeowners for their conservatory or orangerie.

**For more information about the Liniar conservatory roof range, please visit [www.liniar.co.uk/roofs](http://www.liniar.co.uk/roofs)**

# Decking and fencing

Strong and robust and built on a steel sub-frame, Liniar decking offers an attractive finish to holiday homes.

Offering a low-maintenance alternative to timber decking, Liniar's decking and fencing ranges are strong, secure and attractive. Supplied primarily to holiday home owners and caravan parks, Liniar decking can also be used in the domestic market.

Available in a choice of colours and styles, with balustrading foiled in woodgrain finishes, the Liniar system carries a Class 1 fire rating and features an anti-slip tread, tested to British Standard 7976 for additional safety.

The Liniar system can be accessorised with glass pickets and panels, lights, vertical or horizontal skirting and matching steps, ramps and storage boxes are also available.

Liniar's fencing range comprises a fence post and gravel board system, which is surprisingly strong. The steel-reinforced posts are installed in exactly the same way as more unattractive concrete or timber products, whilst offering a more durable and maintenance-free solution.

**For more information about the Liniar decking and fencing ranges, please visit [www.liniar.co.uk/decking](http://www.liniar.co.uk/decking)**





# Piling and retaining

The lead-free, recycled PVCu piling range from Liniar has a multitude of applications across many different industries, from landscaping to utilities, waterways to rail networks.

Used across a wide range of industries, Liniar piling is made of interlocking sections to provide a lightweight but strong retention solution.

From soil and water retention to flood prevention, plastic piling can also be used as an alternative to more traditional materials in landscaping, slope stabilisation, anti-scour and trench shoring.

Easy to carry and install manually, Liniar's piling range can also be installed using pile driver machinery if greater depths are required.

Available in four different styles including its unique log pile, Liniar piling is resistant to most chemicals, won't rot or rust and offers a cost effective alternative to timber or steel piles.

Liniar's interlocking log pile offers a hard engineering solution with a soft engineering appearance, with a log-style timber composite fascia allowing natural weathering. Ideal for landscaping and soil retention, log pile is the latest development from Liniar.

**For more information about the Liniar piling range, please visit [www.liniar.co.uk/piling](http://www.liniar.co.uk/piling)**

## Outstanding products

Product research, development and testing is fundamental to Liniar's success and is therefore well invested, with continued capital expenditure providing the basis for ongoing development.

In-house design and technical teams painstakingly design every single detail of every single product from scratch, creating prototypes on Liniar's state of the art 3D printer to ensure a perfect fit.

Liniar has built a reputation for outstanding products through innovation in all areas, including its ModLok™ bi-folding door system combining the thermal efficiency of PVCu with the strength of aluminium; its decking balustrade being the strongest twin-walled system available and its unique log pile providing a timber appearance with the low maintenance benefits of plastic.

The full product range is on display in Liniar's showroom, where customers are encouraged to visit and to bring their own customers.

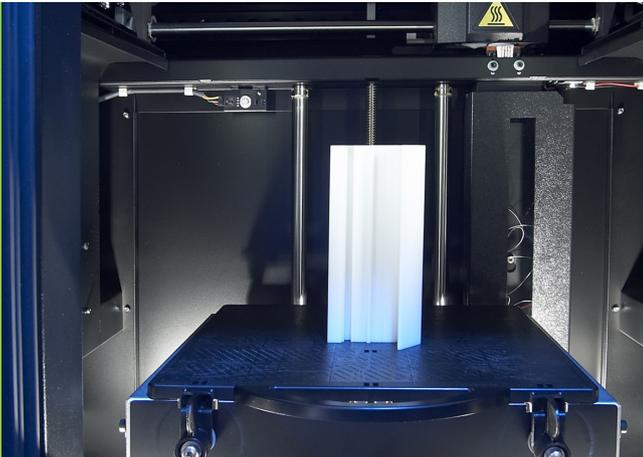
## Continued investment

At a time when many companies across all sectors of the windows and plastics industries are consolidating, Liniar remains committed to investing in a secure and long term future for the benefit of its customers.

Its headquarters in Derbyshire have already benefitted from a brand new 60,000 square foot warehouse and the largest PVCu mixing plant in the UK, with a massive 125,000 square foot building being built in 2015 to expand even further.

Machinery, tools and equipment is also heavily invested, with multiple twin-strand extruders, bespoke short run laminating machines and an ongoing programme of new lines commissioned and ordered on a regular basis.

This, together with investing in key people at all levels to produce the highest quality products and provide the very best customer service, puts Liniar at the forefront of the PVCu extrusion industry.





## Supported

Customer support is paramount at Liniar, with customer-focused teams providing the tools necessary to help its customers to promote, sell and install the Liniar range.

A full range of marketing brochures, wall charts, posters and other support tools is available, as well as installation videos and guides to ensure the highest quality every time. Liniar's website also contains a vast amount of information and generates leads from both installers and homeowners which are passed on to Liniar customers.

Liniar customers have access to a secure online media centre, where they can download as many brochures, images, technical guides and information as they require. The bespoke design and printing of individual brochures is also available as an additional service, where required.

Sales aids, including sample boxes, sample bags and promotional items, are also available, with Liniar's experienced sales team able to help with internal training for new customers to ensure they are able to highlight the unique selling points of the Liniar system.

The Liniar technical team is also on-hand to help with installation queries and technical input, and the design and development team is always ready to listen to customer feedback when it comes to future development of new products as well as providing information where necessary for bespoke projects.

Continuing Professional Development training is also available, helping to educate construction specifiers and engineers about the strength and durability of Liniar piling. More CPD training is planned in the near future for other Liniar product ranges.

A flat structure within the company makes the Liniar team highly accessible to customers and we're justifiably proud of our swift response time.

## Environmentally friendly

From the very start, all Liniar products have been made from lead-free materials – well in advance of any legal requirement to do so.

Liniar's plastic piling products are made from recycled PVCu produced as a result of the production process, significantly reducing the wastage sent to landfill.

Due to its anti-rot and anti-rust properties, Liniar plastic piling is used by environmental bodies all over the UK, including The National Trust, The Wildlife Trust, The Environment Agency, National England, Scottish Natural Heritage, National Resource Wales and the RSPB. When used to block drains and ditches on peat land sites, plastic piling helps to preserve the natural habitat for animals and birds, maintain moisture content and improve the quality of water flowing into reservoirs for drinking supply.



All elements of the Liniar window system are fully recyclable and can be recycled up to 10 times, giving each window an estimated life span of 350 years – more eco-friendly than depleting timber resources.

Liniar's glazed products are also amongst the most energy efficient on the market, thanks to the innovative multi-chambered PVCu trapping more of the heat to create a thermal barrier and keeping the cold outside.

According to the British Fenestration Rating Council (BFRC), when it comes to 'A' rated windows, PVCu outperforms any other material – with 10 times more PVCu windows achieving an 'A' rating compared to the nearest alternative.

Liniar windows are capable of meeting WER (Window Energy Ratings) of A+12 or a U-value as low as 0.8 w/Mk<sup>2</sup> without the need for expensive triple glazing or inserts.



## Accredited

It's important to Liniar to prove its products are backed by the highest standards, and an ongoing testing programme ensures that all systems remain fully compliant – often ahead of legislation. Testing is carried out both within the company and at independent externally accredited UKAS test houses.

The Liniar factory has achieved ISO 9001:2008 accreditation, meeting British Standards for a quality management system. The standard is based on a number of principles including a strong customer focus, management motivation, the process approach and continuous improvement. By continuing to meet this standard, Liniar customers benefit from consistently great products and service.

The BBA (British Board of Agreement) 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 and unbiased review on the performance of products, and Liniar holds a certificate for the whole window system.

Developed by Liniar in conjunction with industry-leading lock manufacturers, ModLok™ technology not only provides the most secure locking mechanism and unbeatable strength, but also enables the PVCu to be disposed of in the most environmentally friendly way possible at the end of its life.

PAS24:2012 accreditation is part of the British Standards system and demonstrates that every component used to make the product has been subjected to a series of tests, demonstrating enhanced security performance for customers' peace of mind.

Secured by Design is a police-backed initiative, with this status being awarded to products designed with exceptional security features as their main priority. Liniar products that qualify to hold this certification are tested to meet the requirements of the Association of Chief Police Officers.

Liniar also works with GQA Qualifications to ensure the proper training is carried out on Liniar products where relevant.



## Guaranteed

Wherever possible, Liniar products come with a full guarantee, giving customers additional peace of mind.

Each range has its own specific guarantee so please see individual products for details.

Product Guarantee

# 10 Year 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.

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This guarantee is issued in association with our raw material suppliers and based on proven technology for UV stabilised products.

Further details and full conditions can be supplied on request.

All products to be installed to Liniar recommendations.

Hamstead House, Denny Hill Business Park, Derby Derbyshire, DE5 6JX
[www.liniar.co.uk](http://www.liniar.co.uk)

Product Guarantee

## Liniar Patio Door System

Liniar guarantees the performance of its Patio Door system 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' of 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' of 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.

Details can be found at [www.liniar.co.uk/downloads](http://www.liniar.co.uk/downloads)

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 is documented within the Liniar 'Patio Installation Manual'. Failure due to mis-handling will void all guarantees.

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

In the unlikely event of product failure as a result of defective manufacture or design, Liniar will approve free of charge one product deemed to not meeting its existing standards. If the product is obsolete a product of equivalent specification will be supplied to clients or commercial continuing selling will apply.

This guarantee is void from the date of installation, proof of which will be required. Liniar reserves the right to inspect the installation where a claim is made.

This guarantee does not exclude any statutory rights of the purchaser.

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Product Guarantee

## Liniar Bi-folding Door System

Liniar guarantees the performance of 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' of 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' of 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.

Details can be found at [www.liniar.co.uk/downloads](http://www.liniar.co.uk/downloads)

The 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 is documented within the Liniar 'Bi-Fold Installation Manual'. Failure due to mis-handling will void all guarantees.

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

In the unlikely event of a product failing as a result of defective manufacture or design, Liniar will approve free of charge one product deemed to not meeting its existing standards. If the product is obsolete a product of equivalent specification will be supplied to clients or commercial continuing selling will apply.

This guarantee is void from the date of installation, proof of which will be required. Liniar reserves the right to inspect the installation where a claim is made.

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# LINIAR

# 10 YEAR

## COMPONENT PRODUCT GUARANTEE

Liniar PVCu Products are manufactured using tried and tested formulations from approved suppliers. We guarantee they will not warp or split for 10 years from the date of installation providing they are installed by a Liniar-approved installer and maintained in line with our guidelines.

This guarantee is issued in association with our raw material suppliers and is based on proven technology for PVCu products. Further details can be supplied on request.

All products to be installed to Liniar recommendations

Hamstead House, Denny Hill Business Park, Derby Derbyshire, DE5 6JX
[www.liniar.co.uk](http://www.liniar.co.uk)



# 7 great reasons to choose Liniar

**Made in Britain** - our state-of-the-art factory is located in the heart of the UK

**Privately owned** - we don't have to answer to external investors and invest in developing our product range for the benefit of our customers

**Continued and sustainable growth** - we're growing organically by helping our customers to grow their business

**Eco-friendly** - every product in the Liniar range is lead-free, energy efficient and easy to transport

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

**Fully tested** - all Liniar products are put through exhaustive tests to ensure they are robust and built to last

**Guaranteed** - Please see individual product information for details of the Liniar guarantee.



Your Liniar stockist is:

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Denby Hall Business Park  
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Derbyshire DE5 8JX

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[www.liniar.co.uk](http://www.liniar.co.uk)

