

Proposal: Rooftop extension to form 3 two-bedroom apartments and provision of an additional 3 car parking spaces

Location: The Quadrangle , 6 Albany Road, Manchester, M21 0AW

Date of application: 23 September 2019

Application number: 124848/FO/2019

Materials Schedule

Walls above DPC:

Sikka rendered cladding coloured Merlin Grey (RAL 1804005)

Walls below DPC:

Vac-Vac treated timber cladding – self coloured.

Roof:

GRP flat roof coloured Merlin Grey (RAL 1804005)

Doors & windows:

UPVC double glazed coloured Anthracite Grey (RAL 7016)

PRODUCT DATA SHEET

Sika®-1 Pre-bag Finishing Mortar

PRE-BAGGED FINISHING MORTAR

PRODUCT DESCRIPTION

Sika®-1 Pre-bag Finishing Mortar is part of the Sika® 1 Pre-Bagged Structural Waterproofing System. These special mortars are pre-bagged kiln dried blends of specially graded aggregates and cements, with waterproofing admixtures, packaged in 4 grades at the appropriate mix ratios for optimum application performance and durability. When mixed with water they provide the multicoat components for the structural waterproofing systems

USES

- Internal waterproofing of below ground structures to meet the requirements of BS8102:2009 Grades 1 - 3
- Waterproofing of swimming pools and other water retaining structures
- Waterproofing of basements, cellars and vaults
- Waterproofing of tunnels

CHARACTERISTICS / ADVANTAGES

- Type A waterproofing system according to BS8102:2009
- Proven resistance to hydrostatic back pressure
- Fully bonded waterproofing barrier
- Can be applied to wet substrates
- For use on concrete, brick and structural blockwork
- Can be used internal and externally
- Can be applied to wall, floors and soffits
- Quality controlled system
- Used for negative or positive water pressure situations

PRODUCT INFORMATION

Packaging	Supplied in 25kg Packs with a coloured Green Band	
Appearance / Colour	Graded kiln dried aggregates, OPC and waterproofing admixtures	
Shelf Life	Minimum 6 months in original unopened sealed packs	
Storage Conditions	Stored in dry condition at temperatures between +10°C and +30°C	
Density	2150 kg/m ³	
Compressive Strength	53 N/mm ²	(EN 12190)
Flexural Strength	7.8 N/mm ²	(EN 196-1)
Capillary Absorption	0.226	(EN 13057)
Consumption	Mix each 25 kg bag Sika®-1 Pre-bag Finishing Mortar with 3.1L of clean water. A mixed 25kg bag of Sika®-1 Pre-bag Finishing Mortar will yield ~12.3L of mortar which is sufficient to cover ~2m ² at 6mm thick	

APPLICATION INSTRUCTIONS

WALLS/BRICK:

All existing treatments shall be completely removed and the exposed surfaces roughened by mechanical or water blasting techniques, followed by washing down and brushing to ensure full removal of all loose material. Mortar joints should be bonded and sound. Any defective mortar joint should be raked out to a depth of 12.0mm and repointed using Sika®-1 Pre-bag Finishing Mortar made up with clean water.

WALLS/CONCRETE:

All laitance shall be removed to expose coarse aggregate by mechanical or water blasting techniques. On new concrete walls retarder can be applied to the face of the shuttering followed by wire brushing and washing of concrete surfaces.

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound and generally brickwork, dense concrete block and concrete normally provide satisfactory substrates. All surfaces should be clean and free from surface contaminants and laitance to achieve an adequate bond.

MIXING

Place the correct amount of water into a mixer, add the mortar and mix until the water has been fully combined, approximate 3 minutes. The Sika®-1 Pre-bag Finishing Mortar should be mechanically mixed using a forced action mixer or drill and paddle mixer to limit the amount of air entrapment. A tumble mixer is not suitable for mixing.

APPLICATION

Refer to Sika-1 Waterproofing system datasheet for full application methods

LIMITATIONS

Refer to Sika-1 Waterproofing system datasheet for full limitations.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
Sika®-1 Pre-bag Finishing Mortar
April 2019, Version 01.01
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Sika-1Pre-bagFinishingMortar-en-GB-(04-2019)-1-1.pdf

VAC-VAC *IS* BACK!



Vac-Vac™

TREATED TIMBER

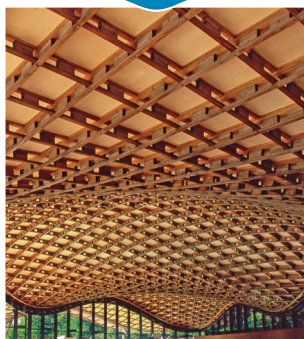
BUILD WITH CONFIDENCE



...Long term protection for your
construction timbers



Doesn't your building project deserve the best protected timbers?

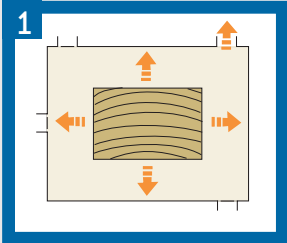


- Impregnated using proven double vacuum low pressure technology and VAC-VAC waterbased preservative, containing biodegradable fungicides.
- Effective, long term protection against fungal decay and insect attack.
- Treated timbers designed for use in internal building applications above dpc level - Use Classes 1 and 2. For example: timber frame components, trussed rafter material, general construction, roofing and flooring timbers.
- Treated timber can also be used for external timber applications above dpc level - Use Class 3 Coated. For example: joinery and cladding timbers. For these applications an appropriate and fully maintained coating must be used.
- Treatment leaves the appearance of the timber virtually unchanged. A colour additive can be used to aid identification of the treated timbers.
- Treatment does not significantly alter the dimensions or moisture content of the timber - ideal for stress graded material in accordance with BS 4978.
- Treatment approved by National House Building Council (NHBC) and major house builders.

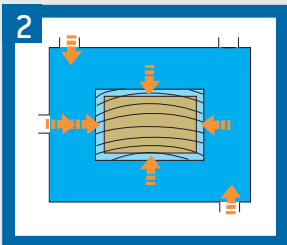


VAC-VAC *IS* BACK!

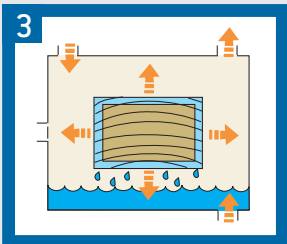
The Low Pressure Treatment Process



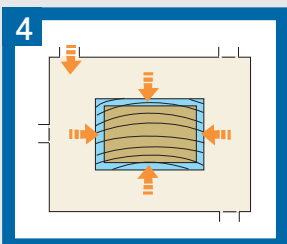
Vacuum created and timber cells are evacuated of air.



Vessel flooded under vacuum.
The vacuum release enables the VAC-VAC water based preservative to penetrate into the timber cells under atmospheric pressure, in order to achieve a target penetration for the specified Use Class.



A second vacuum is applied to evacuate the timber cells of excess preservative.
Timber surface is wet.



The venting of atmospheric pressure (second or 'double' vacuum) drives any surface preservative back into the timber cells.
Timber surface is drip dry.



USE CLASSES

The eventual end use of treated timber is classified into one of the main categories shown in the table below. These Use Classes, defined in EN 335-1, are based on the potential threat to the timber from decay or insect attack in its eventual application.

For instance, internal building timbers in Classes 1 & 2 will be under less threat than timbers used externally in ground contact - Use Class 4. VAC-VAC treated timber can be used with total confidence in Use Classes 1 and 2 and Use Class 3 Coated applications.

Use Class Summary - EN 335-1

1	Internal, dry eg. upper floor joists
2	Internal, risk of wetting eg. tile battens
3 COATED	Outdoors, coated, above ground eg. exterior cladding timbers
3 UNCOATED	Outdoors, uncoated, above ground eg. fence rails
4	Direct soil or fresh water contact eg. fence posts



Watch the video

<https://www.youtube.com/watch?v=ELti5wYsa0g>

- VAC-VAC treated timber will have an expected service life of 30 or 60 years depending on its end use.
- VAC-VAC treated timber must only be used above damp proof course level and out of ground contact.
- When VAC-VAC treated timber is used in external building situations, it should be used in conjunction with a maintained and appropriate surface coating.
- Depending upon the expected in-service moisture content of the timber, different fixings are recommended. Pre and post-treatment gluing of VAC-VAC treated timber is possible using a wide range of glue types.
- Any timber surface exposed by cross cutting, drilling, notching or boring should be brushed with a suitable end-grain preservative to maintain the integrity of the treatment.
- For more detailed guidance on the use of VAC-VAC treated timber ask for a copy of the VAC-VAC Treated Timber User Guide - telephone 01977 714116 or visit www.lonzawoodprotection.com/eu



www.lonzawoodprotection.com/eu





FIBRECOAT

- [Safety](#)
 -
- [Specs](#)
 -
- [Questions](#)

Specifications

Technical specifications for the Fibrecoat system

SYSTEM COMPONENTS



Fibrecoat resin system

Can sizes: 25kgs 10kgs



Surface primers

Tin sizes: 4kg 10kg



Reinforcement

225gm Fibreglass reinforcement mat

TOOLS & ANCILLARIES



Fibretrim profiles

Trims and corners available



Application tools

Fibrecoat uses standard brushes and rollers



Fibrecoat Solvent

Special cleaning solvent for use with application tools



Finishes

The system is available in Dark grey, light grey and black with other colours available on request.



Curing time

The curing times stated for Fibrecoat are approximate and vary due to different onsite conditions like the percentage of relative humidity in the air or direct sunlight on the application area.

It is recommended that the user check the curing characteristics of a small quantity of Fibrecoat under actual operating conditions prior to use. For more information talk to one of the technical services team.

30 mins

Waterproof

4 hours

Over coating

3 hours

Touch dry

7 days

Full cure



Application

Due to Fibrecoat's amazing flexibility and adhesion properties, it can be applied directly to a wide range of new and existing roof coverings. The system is perfect for use as part of a warm, cold, green or inverted roof design and is available in a range of colours and non-slip finishes for trafficked areas.

- Dormers
- Porches
- Bays & conservatories
- Extensions
- Green roofs
- Balconies
- Garage roofs
- Lead replacement



Thermal expansion

Fibrecoat has incredible flexibility and can withstand normal building movement and thermal expansion and contraction without the need for expansion joints on any surface area.

The [Fibreflex](#) technology enhances our products flexibility without adding any post production additives which can lead to long-term problems with the life cycle of the roof membrane.

200 %

Elongation at break



Substrates

Along with the standard plywood or OSB3 boards for new roof configurations, Fibrecoat can also be applied directly to existing roof coverings allows for low-cost refurbishments with minimum disturbance.

The range of system primers are required to seal the substrate and extend product coverage. Specified primers vary dependent upon substrate type & condition. Please refer to our substrate guide for a detailed overview on primers available.

- Aluminium
- Asbestos
- Asphalt
- Bitumen
- Brickwork
- Concrete
- Corroded galvanising
- Corroded mild steel
- Felt
- Galvanising
- GRP
- Insulation board
- Lead
- Mild steel
- PVC single ply
- Slate and tiles



Foot traffic

The Fibrecoat system is available with non-slip finishes for walkways and heavy foot traffic. A Non-slip finish should be specified for high traffic areas and provides perfect protection for normal use on terraces, balconies and walkways. While the surface finish is anti-slip it will not eliminate the risk of slipping, particularly in winter conditions where ice has formed.



Traditional vs. contemporary

the Liniar Flush Sash window system





The Liniar Flush Sash

Introducing low maintenance PVCu windows with a timber appearance.

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

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

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

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

Like the rest of the Liniar range, the flush sash system has been designed from scratch by a team of experts, with A+ energy ratings and U-values as low as 0.9 W/m²K.

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

Thermally efficient

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

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

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

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

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

* individual stockists may offer different ratings







Safe and secure

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

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

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

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

Fully accredited



Secured by Design

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



BS EN ISO 9001:2008

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



PAS 24:2012

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







Colour options

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

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



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

Liniar's coloured and woodgrain effect foils are factory fitted at the production stage, so you can rest assured of a perfect finish. Guaranteed for a minimum of 10 years, foiled PVCu is a low-maintenance alternative to timber as it won't rot

or need repainting; all it requires is an occasional clean with soapy water.

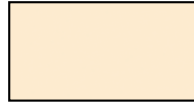
Every Liniar product is made in a wide choice of stocked coloured foils, ensuring short lead times when your project is urgent. If you're not in a rush, you could select a completely bespoke colour and finish from the huge range available. You can even select the substrate colour and choose to have the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

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

Standard foils



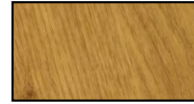
White Foil



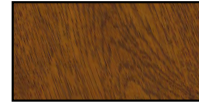
Cream Foil



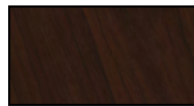
Chartwell Green



Irish Oak



Golden Oak



Rosewood

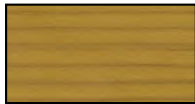


7016 Grey



Black

Special foils



Cedar



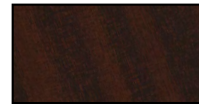
Oregon



Anteak



Sapeli



Mahogany



7038 Grey



7155 Grey



7012 Grey



7015 Grey



7016 SM Grey



Blue



Dark Green



Dark Red

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

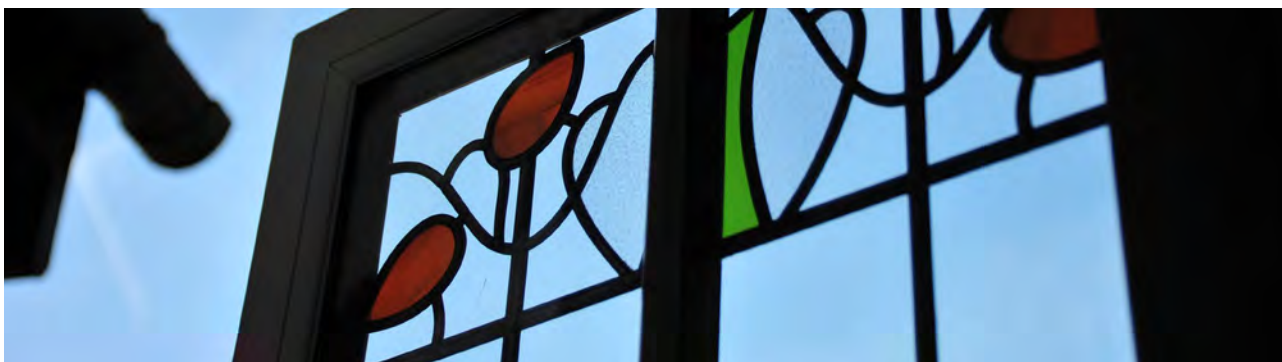
* Not all Liniar products are available on all substrates - please refer to the Liniar foil swatch booklet.

More options to consider



Multi-coloured frames

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



Double or triple glazing

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

Georgian Bars

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

Child safety

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

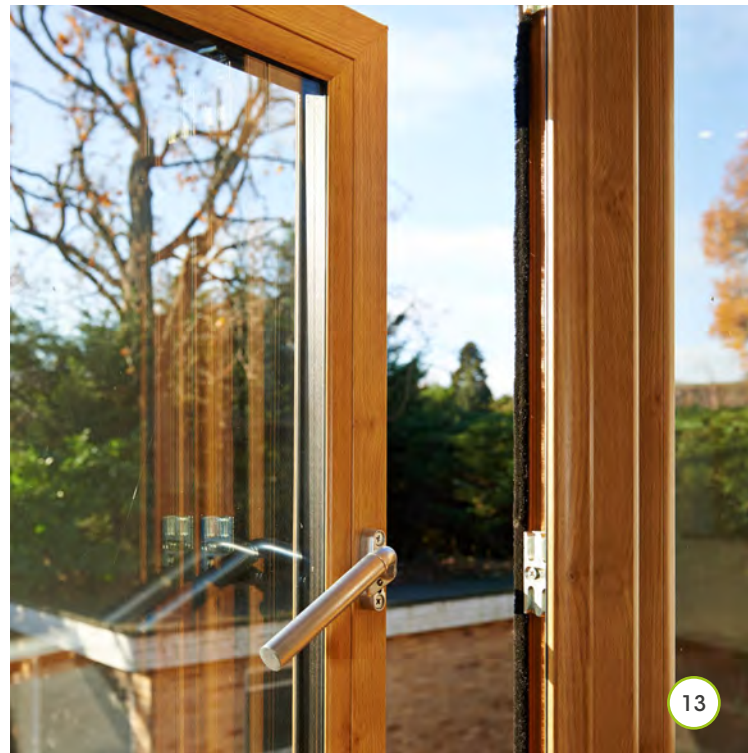
Hinge guards

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

Handles

Locking handles should be fitted for maximum security – and the choice of colours, styles and designs is almost endless. Ask your installer to show you the full range offered.

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





About Liniar

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

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

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

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

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



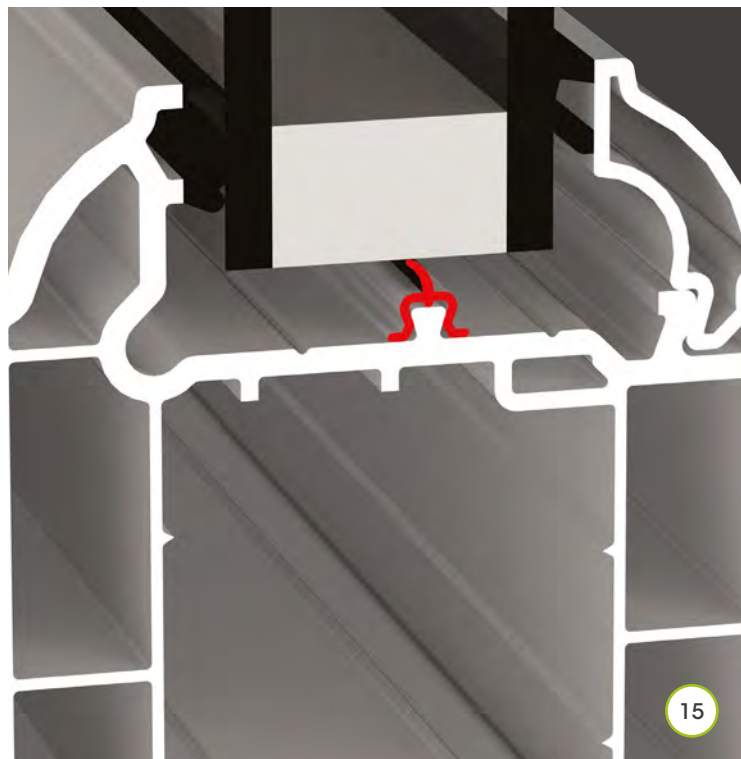
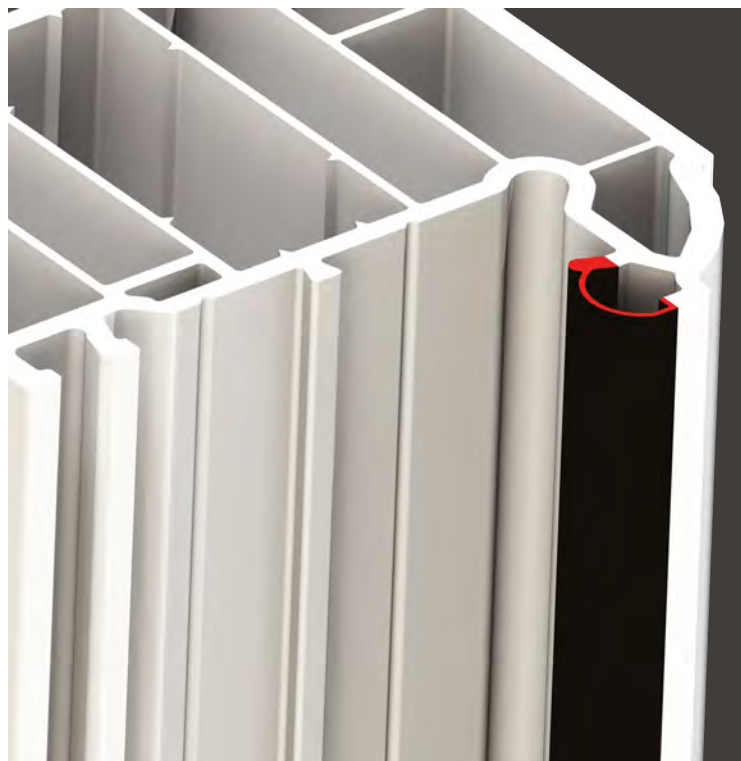
Liniar innovation

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

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

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

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



Matching products

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

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

Please see liniar.co.uk/about/guarantees for more information.



Doors

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



Windows

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



French Doors

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



PVCu Bi-Folding Doors

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



Alumina Bi-Folding Doors

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



Patio Doors

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



Conservatories

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



Soffits and Fascias

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



Decking

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



Fencing

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



Piling

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



7 great reasons to choose Liniar

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

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

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

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

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

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

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



Your Liniar stockist is:

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Denby Hall Business Park
Denby
Derbyshire DE5 8JX

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Fax: +44 (0)1332 883901
Email: sales@liniar.co.uk

www.liniar.co.uk

