



Add space and value  
to your home  
with a Liniar glazed extension

**ECO** Window  
Systems

 **Liniar**



# Enhance your home with a glazed extension

You need extra living space for you and your family. But with so many options out there, how do you decide what's best for your needs?

## Did you know...?

- You don't usually need planning permission for a conservatory\* (subject to limits and conditions).
- Your conservatory is highly likely to boost the market value of your property.
- Your conservatory gives you an extra room to use all year round.
- Your conservatory is individually designed and built to meet your exact needs.
- You can choose coloured or wood-grain effect frames – although white is available too!

Using the latest technology to bring you the most energy efficient glazed extension in the UK today, the Liniar roof system matches perfectly with its huge range of windows and doors.

Whether you want to create a bright study, a kitchen extension, a family room, a dining room or a garden room that opens right up in the summer, the Liniar range has something to suit your lifestyle.

\* See [www.planningportal.gov.uk/permission](http://www.planningportal.gov.uk/permission) for more information





# Liniar's different

The newest brand of PVCu frames on the market, Liniar was created by bringing together some of the window industry's most experienced and forward thinking designers with over 500 years of industry experience between them.

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

Demand for coloured frames and roofs has soared over recent years as foiling technology has improved – so Liniar has developed a range to offer all the benefits of a thermally-efficient PVCu frame with the appearance of timber or aluminium.

At Liniar, we understand that customers want everything to match. That's why our product range spans not only windows, doors and roofs, but lots of clever design ideas for your home such as bi-folding doors and windows to give your home that real 'wow' factor.

Our designers love coming up with new product development ideas, and Liniar has built a well-deserved reputation in the windows industry as one of the most innovative systems companies around. This culture is embedded throughout our business, a fact of which we're justifiably proud.



## Made in Britain

Unlike many of our competitors, Liniar PVCu profile is made in the heart of Britain.

Our extrusion facility in Derbyshire boasts the largest mixing plant in Europe, and continued investment in the factory, facilities and research and development keeps Liniar at the forefront of innovation.



## Liniar at a glance

- Part of the Flamstead group of companies
- State of the art facility opened in 2007
- Continuous investment in plant and machinery
- One of London Stock Exchange's Most Inspiring Companies 2013
- Quality assured with ISO9001 accreditation
- Success through organic growth



# Better for the environment

## Energy Ratings explained

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

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

The Window Energy Rating Scheme is the UK's national system for rating the energy efficiency of windows. Its energy labels are similar to those seen on most household appliances, with a rating scale that runs from A+ to G and indicates how well a window will:

- help you contain and conserve heat within your building in the winter
- keep out the elements
- resist condensation on the inside
- contribute to improved sound insulation.

Although the window scheme does not currently include conservatories, Liniar is already one step ahead. Our windows and doors can achieve an A+ rating, and the design of our EnergyPlus roof top caps, together with a range of insulation and weather-sealing design enhancements, mean a Liniar conservatory is one of the most energy efficient you can buy – so you'll be able to enjoy a warmer and quieter conservatory.

\*Individual stockists may offer different ratings. Please note Liniar's A+ rating applies to the EnergyPlus suite of windows.



# Designed for today's challenges

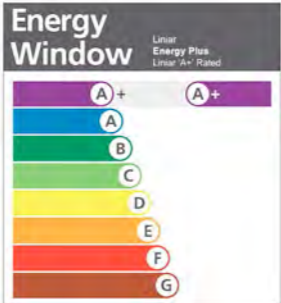
The Liniar conservatory roof is beautifully designed for modern living.

Our unique thermal twin-walled top caps keep more of the heat inside your conservatory in the winter months, making it less expensive to heat.

We've also designed our roof with a centre bar that allows for more height, for the taller people in your family.

Liniar's overall roof design and engineering results in no holes or gaps for water ingress, so your new room stays leak-free.

And the innovative design means that the roof can't ever be taken apart from the outside – making it virtually burglar-proof.



**Lead-free**  
Liniar profile is made from 100% lead-free PVCu – better for the environment, and better for you and your family. You no longer have lead in your petrol or paint, so why choose to have frames containing lead?



“I hadn't realised all these options were available, and I'm glad I discovered the Liniar roof!”



# Not just a conservatory

Your Liniar glazed extension will add extra space to your home – all you need to decide is how you'd like to use it.

Maybe you need extra kitchen space? A brick-built extension with a Liniar lantern roof will let the natural daylight flood in... add a set of bi-folding doors and you have an open space that's perfect for entertaining in the summer months.

Making sure the children have a safe and light place to play is a great way to use your new space – or why not keep your new room as a quiet, calming adult-only space away from the noise of the main house?

Your Liniar stockist will be happy to advise on the best layout and structure for your lifestyle, needs and budget – so open your mind to the possibilities and create your dream space.



“When the children are in bed, we love retreating to our tranquil new conservatory – it almost feels like being on holiday!”



## A design for life

Whatever you need, we can design. With Liniar, the possibilities are endless.

Your glazed extension will become an integral part of your home, so each one is designed with your individual needs in mind.

Whatever your lifestyle, with Liniar you can create the perfect space to enjoy all year round.





### Victorian

The Victorian conservatory is one of the most popular styles and adds style and traditional elegance to any home.

With a faceted projection of 3 or 5 sides you can create a spacious room with a pleasing appearance.

Attractive and versatile, Victorian conservatories can be designed to suit the space you have available – from a large garden to a small patio.



### Edwardian/Georgian

The Edwardian conservatory (sometimes called the Georgian) is similar in style to the Victorian, the main difference being that it is square or rectangular in footprint.

Its imposing style and finishing touches allow you to maximise your floor area and living space whilst maintaining character and traditional appeal.







### Lean-to

The **lean-to** conservatory or sun room can work best if you're on a tight budget, and offers one of the simplest solutions for bungalows and porches.

Usually rectangular with a low-pitch roof, this type of room is ideal for height-restricted locations and mixes clean lines with a modern feel.

It can also be combined with other styles to create a combination conservatory.



### Gable

Sharing many characteristics with the Edwardian, the **Gable** conservatory features a traditional apex pitched roof combined with a striking front elevation, being fully glazed right up to the apex.

The Gable adds a classic feel to period properties, bringing a distinctive elegance to your home.





## Combination

The **combination** conservatory offers the ultimate in flexibility, combining a range of styles to fit the shape your home and garden requires.

If you have a need for two separate living areas, why not combine a Victorian and a Lean-to to give a 'P' shaped conservatory - or maybe you'd prefer a 'T' or a 'B' shape? The possibilities are limited only by your imagination.





# Designed for today's living

The **orangery** combines cutting edge design with maximum light, allowing you to enjoy the best of both worlds between a conservatory and a traditional extension.

Extremely versatile, each elevation allows any combination of masonry, windows and doors, so your orangery is truly bespoke to you. Why not add mood lighting under the eaves for a truly contemporary design?

Lantern roofs can also be added to any large conservatory, boosting the height of the overall construction and increasing the feeling of interior space and light.

You can incorporate openers to increase ventilation, in addition to decorative glazing panels to further personalise your design.



“ My perceptions of a traditional conservatory have now been radically altered! ”



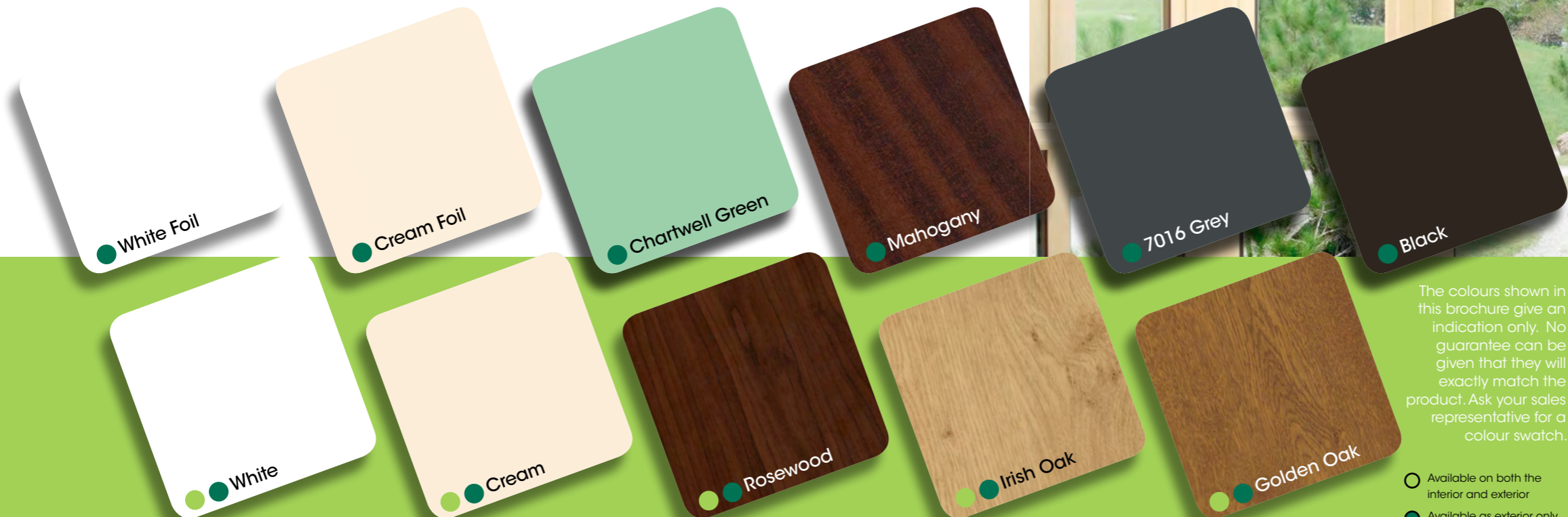


# Add colour to your life

Your PVCu conservatory no longer has to be white (although of course we offer that too!) – the Liniar EnergyPlus range is available in all of these colours from stock.

Our wood-grain foils give the authentic appearance of timber without the maintenance, and are precision factory-fitted, so you'd be forgiven for thinking your frames were actually made of wood.

The whole range comes with the Liniar 10-year guarantee against fading, cracking or warping.



The colours shown in this brochure give an indication only. No guarantee can be given that they will exactly match the product. Ask your sales representative for a colour swatch.

- Available on both the interior and exterior
- Available as exterior only onto white base





# Accessories & glazing options

The Liniar roof range comes with a range of optional accessories including a choice of classic and contemporary PVCu finials and cresting for a neat finish. See your stockist for the latest range to personalise your roof.

|                                 | Uncoated | Pilkington K | Pilkington S3 | Pilkington S1 | Solar Heat Rejection | Self Cleaning Properties |
|---------------------------------|----------|--------------|---------------|---------------|----------------------|--------------------------|
| <b>Activ™ Clear</b>             | ✓        | ✓            | ✓             | ✓             | n/a                  | Yes                      |
| <b>Activ™ Sunshade™ Blue</b>    | ✓        | ✓            | ✓             | ✓             | 80%                  | Yes                      |
| <b>Activ™ SunShade™ Neutral</b> | ✓        | ✓            | ✓             | ✓             | 68%                  | Yes                      |
| <b>Activ™ Blue</b>              | ✓        | ✓            | ✓             | ✓             | 67%                  | Yes                      |
| <b>Activ™ Bronze</b>            | ✓        | ✓            | ✓             | ✓             | 64%                  | Yes                      |
| <b>Opal</b>                     | ✓        | ✓            | ✓             | ✓             | n/a                  | No                       |

Often an afterthought when planning a conservatory or glazed extension, the glazing options available to you should be considered at the start, as they can make a big difference to your final room.

Usually this choice comes down to a matter of personal taste and budget. As a generalisation, glass panels allow more natural light into your conservatory and rainfall would be less noisy, whilst a polycarbonate roof may give more protection against sun and glare – so think about where your conservatory is located and the aspect it will enjoy.

We use Pilkington glass in all of our roofs, one of the most trusted glazing suppliers in the UK and leaders in glass technology.



## Polycarbonate

Our polycarbonate roofs offer a lower-budget option and block 99% of UV radiation. They also offer superb thermal insulation, with U-values as low as 1.2. Choose between 25mm and 32mm thick multi-wall polycarbonate for a lightweight roof with excellent impact resistance and a Class 1 BS 476/7 fire rating, available in Clear, Opal or Bronze.

The Heatguard/Opal tint option offers a multi-layered dual colour sheet with a co-extruded heat reflective layer in the outer surface, which reduces solar transmission by up to 50% compared with standard tint material. Solar inserts are also available as an optional extra for even greater solar protection.

## Self-cleaning and solar control glass

Pilkington Activ™ is the world's first self-cleaning glass, and was specifically designed for conservatory roofs.

Available in clear, or with a range of tinted solar control options, the Pilkington Activ™ coating is a

permanent coating and guaranteed to last for the lifetime of the glass.

Organic dirt from exterior surfaces is broken down and washed away using natural daylight and rainwater, making it ideal for hard to clean areas.

Pilkington Activ™ is available in Clear, Blue, Neutral and Bronze, with a range of U-values (see table).

Pilkington Activ™ can be used in roofs with sloping angles of at least 10°, but works best where the roof is pitched at 30° or greater.

## Even greater heat reflection

Pilkington Activ™ SunShade™ combines the self-cleaning properties of Pilkington Activ™ with even greater solar control performance, creating a cool and comfortable environment during hot weather.

The glass has a special coating that helps to reflect up to 80% of the sun's heat,

Pilkington Activ™ SunShade™ is available in Blue or Neutral, with excellent U-values as low as 1.0.





# Planning your glazed extension

By now, you may have an idea of what you need for your home – so what's the next step? We've provided a handy checklist for you to work through to make sure your glazed extension is perfect for your needs and brings you enjoyment for many, many years.

## 1. Consider its use

Do you need a study? A playroom? A dining area? Somewhere to relax? Once you know the room's primary use, this will help you to plan the size and the layout.

## 2. Consider the position

South-facing conservatories receive more direct sunlight – so you may need to include additional ventilation, blinds or high performance glass such as Pilkington Activ™ SunShade™

North-facing conservatories may be harder to heat so think about using heat-retaining glazing options.

East-facing conservatories are perfect for morning or

breakfast rooms as they catch the early morning sun, and west-facing rooms are ideal to relax and watch the sunset after a long day.

## 3. Consider the size and shape

How much of your garden do you want to use up for your building? You should aim for a size and shape to complement your home and give you easy access to your garden.

Draw up a plan, then mark it out on the garden with masking tape so you can see exactly the area you're planning to cover. Work out if this will give you the space you need, even down to whether you can fit the furniture you require inside once the walls are built!

## 4. Consider planning and building regulations

Depending on the size and height, many conservatories are exempt from planning permission – however regulations can vary across the UK so it's best to check with your local authority or visit [www.planningportal.gov.uk](http://www.planningportal.gov.uk).

## 5. Consider the materials

Using Liniar PVCu to construct your glazed extension will ensure a low-maintenance solution together with being more cost-effective to build than a timber conservatory.

Polycarbonate is cheaper than glass, but can be more difficult to clean and also noisier when it rains. You may need solar control glass such as Pilkington Activ™ SunShade™ in the roof to make your room more comfortable to use in the summer months.

## 6. Consider ventilation and heating

Ensure you install adequate ventilation in your new glazed extension so you can enjoy it for more of the year. You could consider adding roof fans and even an air conditioning unit.

For the winter months it may be useful to consider building in underfloor heating or extending your central heating system.

## 7. Get expert advice

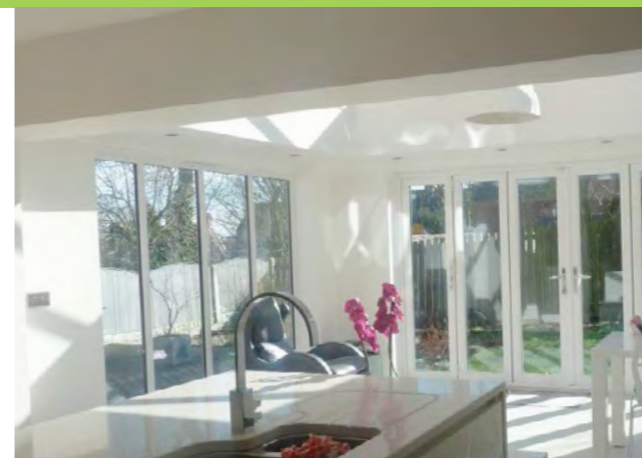
Planning your glazed extension can be a daunting task – but your local Liniar installer can help you every step of the way. With no hard sell, our friendly experts are here to help you find the best solution to meet your exacting needs so please get in touch.

## Accredited for quality

Liniar's customer service and quality assurance is second to none.

## Guaranteed for 10 years\*

## Backed with ISO 9001



\*Liniar frames are guaranteed not to discolour, warp, crack or split for 10 years



# 7 great reasons to choose Liniar

**Innovative** – a well deserved reputation for new product design and innovation

**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** – manufactured 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 not to warp, split or discolour for a minimum of 10 years



Your Liniar stockist is:



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