



Revolutionary New Home Extension System

Transform your home with the revolutionary and most advanced energy-efficient home extension system available. Transform your home and make space for living.


Guardian
Home Extension

A revolution in home extensions

Guardian provide a spacious, open-plan extension to your home using cutting edge construction techniques. Your new extension will be comfortable and warm with outstanding energy-efficiency with superb U-values achievable, it is the most energy saving home extension available.

The Guardian Home Extension, built using the Kingspan TEK® Building System and Guardian Warm Roof technology, is factory-built for consistently high quality and offers huge time-saving and performance advantages over conventional extensions.

All components are pre-assembled factory engineered with high performance insulation.

These superior build methods provide up to 50% faster on-site construction and reduces overall waste and disruption normally experienced with



conventional on-site construction.

The market leading, and energy-efficient Guardian Warm Roof is the perfect addition to your home extension, allowing you to create a spacious and light vaulted roof which may not be achievable with conventional timber roof structures.

As featured in the award-winning Kingspan 'Lighthouse' Net-Zero Energy home

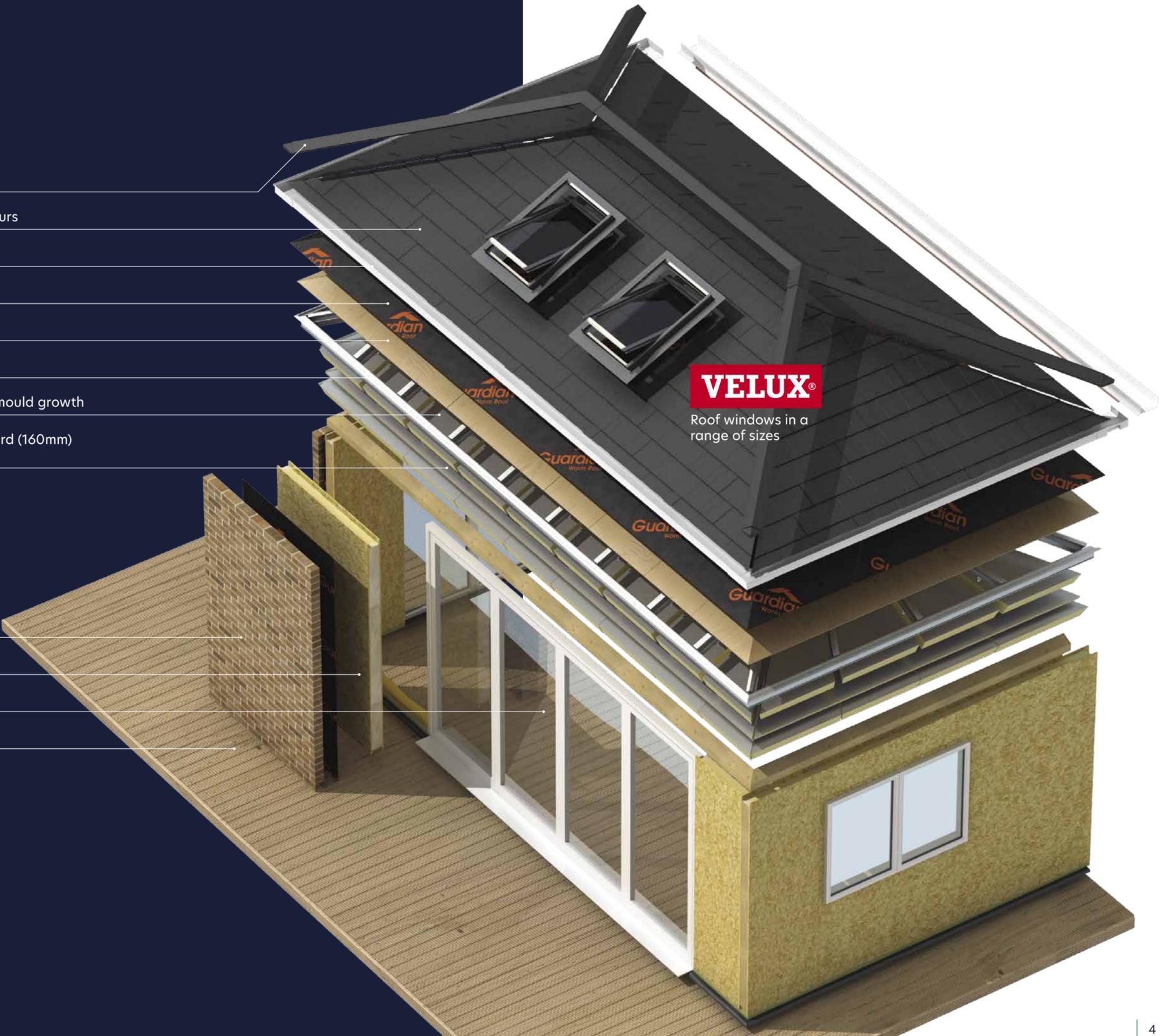


Roof system

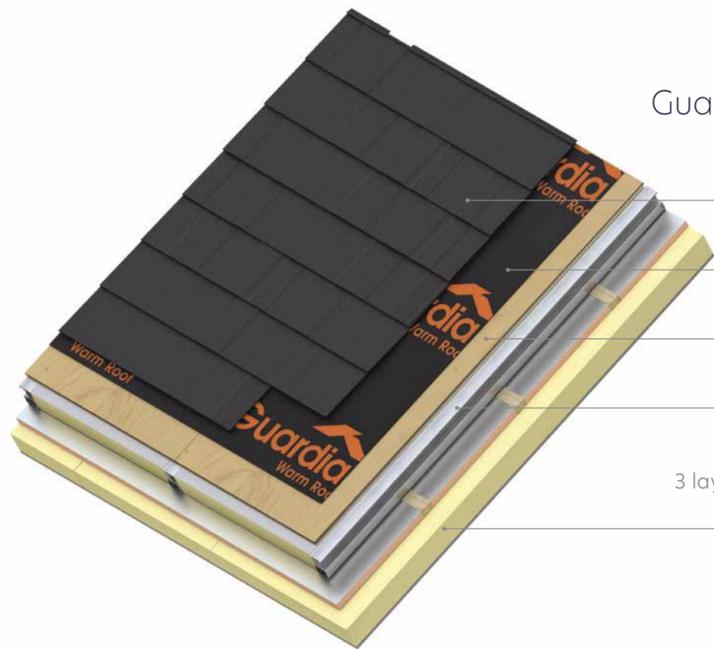
- Ridge cappings to match roof tiles or slates
- Choice of roof tiles or slates in a range of colours
- Standard rainwater systems
- Breathable waterproof membrane
- Exterior grade plywood
- Structural pre-engineered frame
- Ventilated roof eliminates condensation and mould growth
- 3 layers high performance rigid insulation board (160mm) U-value 0.15 W/m²K

Wall system

- Choice of external finish
- Kingspan TEK® Building System
- Internal flooring
- External flooring

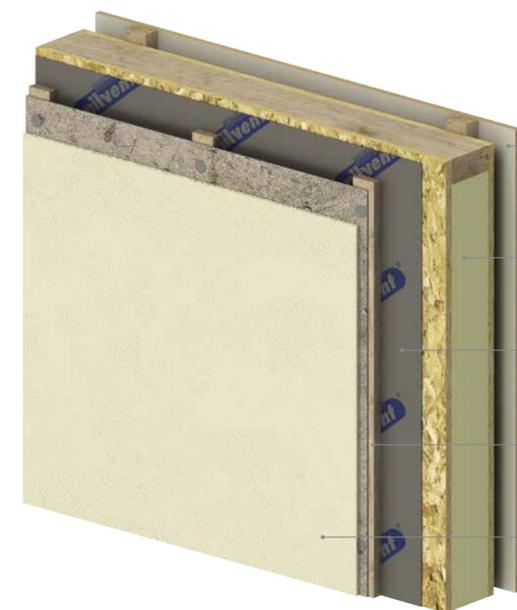


To find out more watch our case study at <https://www.guardianbuildingsystems.co.uk/guardian-home-extension/>



Guardian Warm Roof System

- Choice of roof tiles or slates in a range of colours
- Breathable waterproof membrane
- Exterior grade plywood
- Structural pre-engineered frame
- 3 layers high performance rigid insulation board (160mm) U-value 0.15 W/m.K



Kingspan TEK® Building System

- Foil-backed plasterboard
- High performance Kingspan TEK® Building System
- Breathable waterproof membrane
- Timber battens
- External finish (render shown)

System benefits



Engineered for quality

Each Guardian Home Extension is engineered precisely to your individual requirements and pre-assembled under controlled factory conditions to ensure the highest quality for reduced installation costs.



Rapid installation

The whole extension installation is completed with minimum of disruption, in all weathers and 50% quicker than a traditional build.



Superior energy efficiency

The Guardian Home Extension uses high performance insulations systems and has been tested and proven to reduce energy costs compared with a traditional build extension.



Range of external finishes

We supply a range of finishes to match or compliment your existing home. From brick finishes to rendered walls, and tile or slate for the roof, offering the perfect look for your building design.



Regulation compliance

The Guardian Warm Roof was the first LABC partnered conservatory solid roof system.

The Kingspan TEK® Building System is certified by the BBA (British Board of Agrément) and is recognised by major building warranty providers such as Building Life Plans.

For peace of mind, all of our Guardian Certified Installers are able to access and partner with the LABC Authority Scheme to maintain building control compliance.



“The Guardian Home Extension is a great way of adding both square footage and value to your property.”

Ensuring your peace of mind



Question

How is the construction of a Guardian Home Extension both quicker and better quality than a traditional extension?

Answer

The factory built pre-engineered system enables a fast track building process, which helps to reduce construction time. Once the Kingspan TEK® Building System and the Guardian Warm Roof are erected, the shell is weather-tight and the follow on trades can start work sooner, the internal fit-out can commence at the same time as the external finishes are applied.

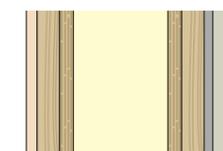
Guardian off-site construction delivers the project up to 50% faster - traditional building methods rely on wet trades needing time to dry, delaying the roof assembly.



How can the Guardian Home Extension save internal space?

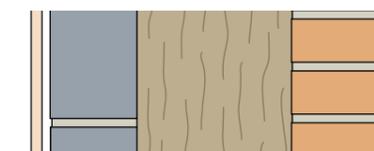
The Kingspan TEK® Building System has a superior U-value of just 0.16 W/m²K with a total wall thickness of 275.5 mm. To achieve an equivalent U-value using traditional methods of construction the wall would have to be 453 mm thick.

Kingspan TEK® Building System



275.5mm

Conventional construction



453mm



How can the Guardian Home Extension save energy costs over a traditional extension?

With the ability to achieve superior U-values, the Kingspan TEK® Building System is the most thermally efficient, insulated wall construction available today.

The insulation core is 100% thermally efficient and maintains this high level of performance over its lifetime.

The Guardian Warm Roof System has been subjected to independent thermal analysis that takes into account the entire roof assembly, including cold bridging, to give a true U-value as required by Building Regulations.



What disruption will there be to my home?

The Guardian Home Extension is a pre-assembled, factory engineered modular construction that is delivered, ready-made, directly to site for assembly meaning that they are not subject to site weather conditions.

This results in less trades being involved in the construction of the extension and minimises disruption to your home.

The Guardian Home Extension is very speedy to erect, meaning that the construction can be walled and roofed quicker than with other forms of construction, making it easier and quicker to knock-through.



Exterior wall finish options



Finishes

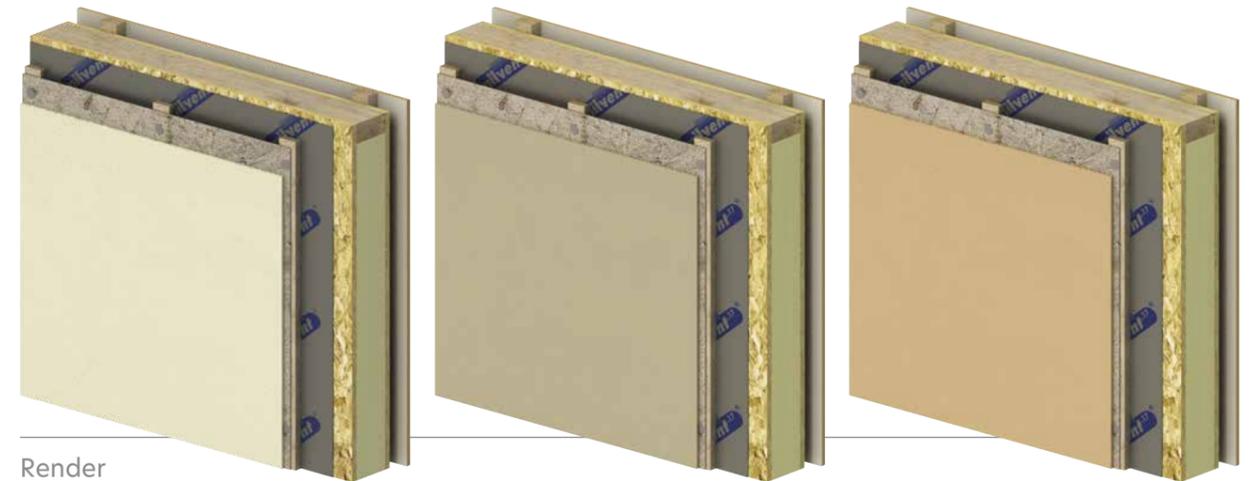
We supply a range of finishes to match or compliment your existing home. From brick finishes to rendered walls, and tile or slate for the roof, offering the perfect look for your building design



Brick slip



Brick



Render

Roof tile and shingle options



Guardian Esprit Shingle

Exclusive to Guardian, the Esprit Shingle is made from lightweight high grade steel with Aluzinc® coating for incredible strength and resistance and features a unique 'hidden fix' feature that leaves no nails exposed to corrosion.

The choice of colours means Esprit can match or compliment virtually any home.



Charcoal



Scarlet



Coal Black



Greenstone



Burnt Umber

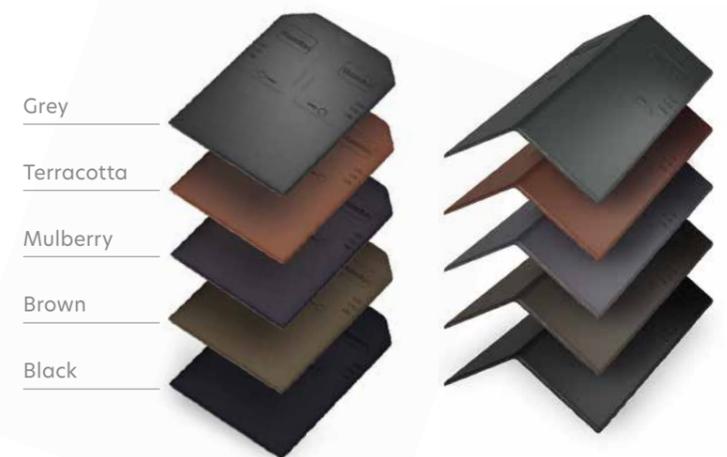


Bister Brown

Guardian Slate

Guardian Slate is an innovative roofing system featuring the aesthetic appeal of natural slate without the risk of cracking and breaking.

Guardian Slate is available in a choice of five natural colours, providing you the opportunity to add texture and style to your home. The colours have been tested to high UV exposure and exhibit virtually no fade and with no trace of cracking or splitting.



Grey



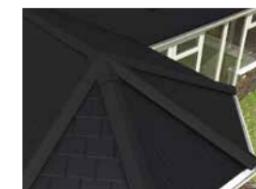
Terracotta



Mulberry



Brown



Black

Transformation at speed...

Typical build programme

Phase 1



Base is laid to the correct specifications for your Guardian Home Extension.

Installation of the high-performance Kingspan TEK® Building System.



Wall and sole plates installed ready to receive the Kingspan TEK® panels.



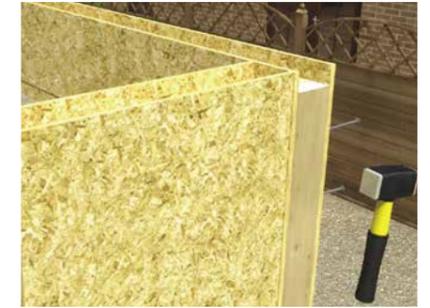
Subsequent panels are installed with specified window and door openings.



Expanding urethane sealant is used between all panel joints for superior airtightness.



Wall panels are securely fixed together with a nail gun.



Corner joints are nailed together to ensure structural strength.

Phase 2



Structural ringbeam is sealed and secured to the top of the Kingspan TEK® wall structure.

Installation of the market-leading Guardian Warm Roof.



The aluminium roof structure is secured to the ringbeam and exterior grade plyboard is fixed.



Breathable waterproof membrane is laid over the plywood and secured in place.



Roof is batted and chosen tile is added ensuring weathertightness. The gutter and external trim are secured.



3 layers of high performance insulation (between and over rafters, and insulated plasterboard), is installed.



Your Guardian Home Extension is now ready for internal finishes.

Phase 3



Breathable waterproof membrane is secured to the Kingspan TEK® walls.

Internal and external finishes applied.



Timber battens are then secured to the outer.



Your chosen external finish is applied.



The interior has services added and is batted ready for internal finish.



Interior has the chosen finish applied. Your Guardian Home Extension is now ready to enjoy.



To watch the video visit: guardianbuildingsystems.co.uk

The Guardian Service Package



Guardian Certified Installers



Get it right first time

Building work of any kind can be a daunting process.

The Guardian Service Package is the hassle-free way to achieve the home extension you want. We will manage your project and keep you informed at every stage, providing a seamless process from your original enquiry, through planning permission to final installation and certification.

Customer journey



The Guardian Certified Installer network

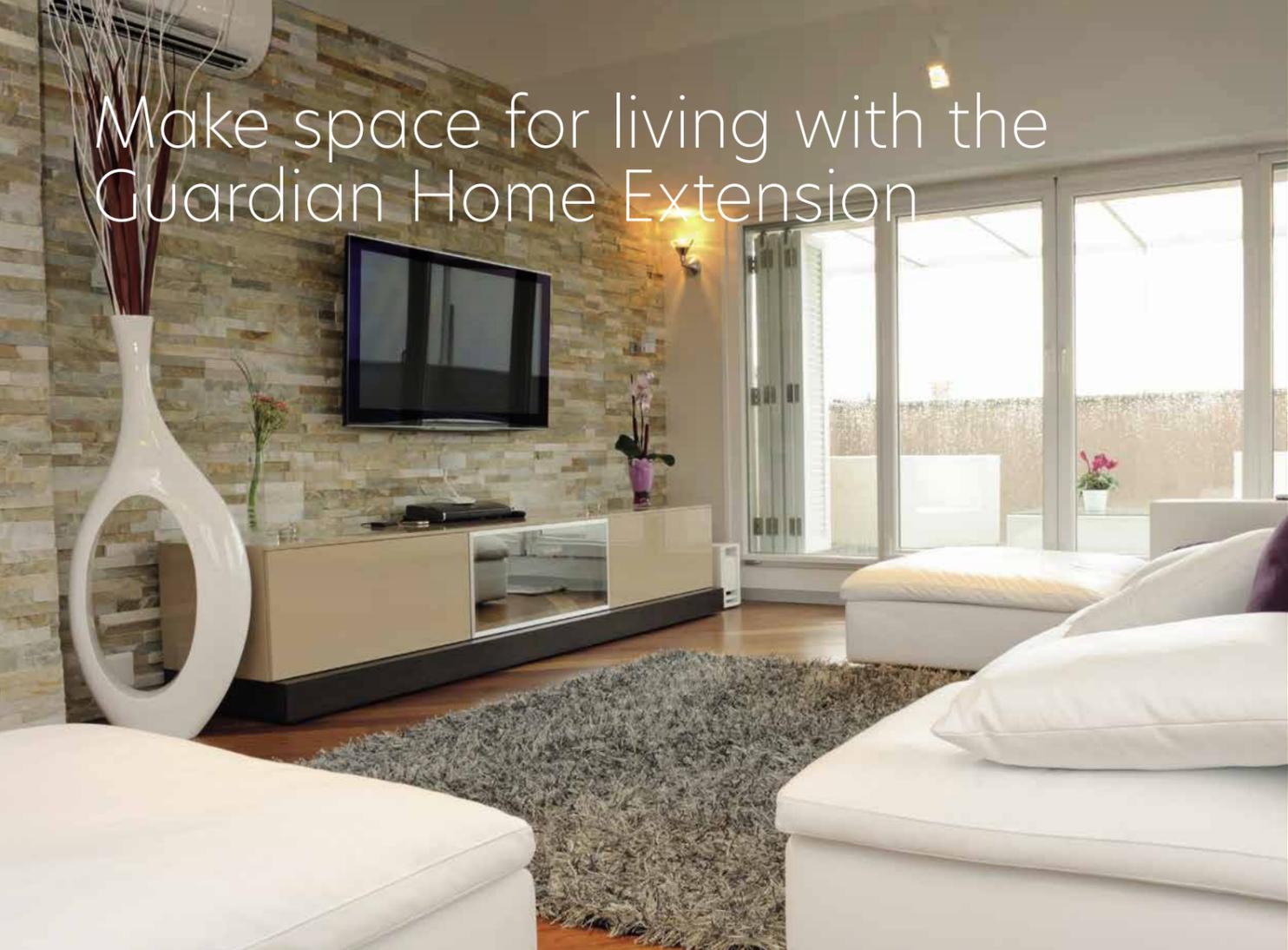
The revolutionary Guardian Home Extension is manufactured in the UK and Ireland with installation supported by extensive network of Guardian Certified Installers who are fully authorised to install this unique product.

All Certified Installers are rigorously checked and trained to ensure your peace of mind. The system has been designed to give you additional assurances, not just for the roof itself but also for the quality of the installation.



"An extensive network of Guardian Certified Installers are ready to transform your home with the Guardian Home Extension"

Make space for living with the Guardian Home Extension



A Guardian Home Extension is a revolutionary solution that will give you more living space in half the time of a traditional build. Make your home more tailored to you and get a no-obligation quote with us today.

Call: 0800 066 5832

Email: customerservices@guardianbuildingsystems.co.uk

"From the start we were blown away by the service that we received from Guardian Building Systems, the communication was great the planning was very thorough and they made it all very easy to understand."

"We really felt part of the process from planning to completion."

"The extra space has opened up a world of possibilities not to mention the extra light. The Guardian Extension has given us extra flexibility with our living space."

"Our house was not a building site for 3 months as it would have been with a traditional brick and mortar extension, instead the bulk of the job was completed in one week hassle free."

Guardian Home Extension. A system created through industry-leading partnerships.

The Guardian Home Extension is a revolution in the home extension market, an energy-efficient, bespoke and quality system created from a combination of the very best in the industry.



Kingspan is the global leader in high-performance insulation and building envelope solutions.

The Kingspan TEK® Building System is the most thermally efficient, insulated wall construction available today and is now specified as the first step in achieving Net-zero Carbon housing.

The Kingspan TEK® Building System insulation core is 100% thermally efficient and continues to save the same amount of energy over its life, unlike mineral fibre that is prone to sagging and degradation resulting in a loss of insulating properties.



VELUX® are the market leading daylighting experts creating better living environments for people around the world.

Using their passion for daylight, fresh air and better living environments, the Guardian Home Extension can be fitted with a wide variety of VELUX products that can add additional light to your extension.



The market-leading Guardian Warm Roof is a perfect addition to the Guardian Home Extension.

A high performance lightweight roof system, it offers leading thermal efficiency and has been independently tested by the Building Research Establishment (BRE).

A range of different shapes and styles can be created by the bespoke network of fabricators and easily installed along with the other components of the extension.

Building better living spaces, together.



Tel: 0800 066 5832

Email: customerservices@guardianbuildingsystems.co.uk
guardianbuildingsystems.co.uk



Guardian Home Extension is a
home improvement solution from
Guardian Building Systems

Whilst Guardian has made every attempt to ensure that this information is accurate and reliable at the time of its publication; we cannot accept responsibility for any errors, omissions, inaccuracies or any changes that have occurred since the date of publication or for the results obtained from the use of such information.

Version 4 | January 2023