

# ZERO COMPARISON

A full window and door system for the future.  
Proven to provide unmatched performance in energy saving,  
noise reduction and sustainability.



## ENERGY SAVING

Choosing **Zero|90** windows and doors for a new build or renovation project can save up to £15,000\* in energy costs over a normal life span of 35 years.

“Good buildings are comfortable, enjoyable and healthy places to be in. This means warm in the winter, cool in the summer – with good natural light, fresh air, and resilience to climate impacts such as flooding and overheating.”

Independent Assessment: The UK's Heat & Buildings Strategy by the Climate Change Committee – March 2022

Using less energy also helps to reduce a building's carbon emissions – helping us all meet Net Zero targets using cost-effective PVCu products and in some cases reach Passivhaus accreditation, all made in the heart of the UK.



## NOISE REDUCING

More homes than ever are being built in urban locations, so noise reduction is an increasingly important factor when choosing windows and doors.

“Just like breathing, eating, and drinking, sleep is an essential human need. It affects one's ability to feel rested and energized for the next day and decreases daytime sleepiness. Quality sleep supports mental and physical health and contributes to the overall quality of life.”

SleepFoundation.org – April 2022

In comparison with standard PVCu windows and doors, the **Zero|90** system has been proven to block up to twice as much more external noise, leading to occupants enjoying a more peaceful home environment and a better night's sleep.



## SUSTAINABLE CHOICE

Replacing a standard PVCu window with a Zero|90 window containing recycled components offers the equivalent carbon saving of planting over 700 more trees.\*\*

“PVC products are fully recyclable at the end of their life.

The industry has developed highly successful recycling systems and has targets to recycle increasing quantities of PVC every year across Europe.”

BPF website: The Clear Choice for Specifiers

**Zero|90's** contribution to the circular economy via recycling means it's one of the most sustainable window and door systems in the UK – in addition to the carbon savings generated by its energy efficient performance.

\* Based on Liniar's energy saving calculator

\*\* Based on 24 trees per tonne of CO2. Source: Encon.eu

# WHY CHOOSE Zero|90?

“The UK’s first Passivhaus certified PVCu casement window”

The **Zero|90** system offers a sustainable, cost-effective solution to rising energy prices and urban noise.

Originally developed in the UK by Liniar in 2017 and certified by the Passivhaus Institute, the fully matching **Zero|90** range has been expanded in 2023 and is ideal for both new build and retro-fit projects.

Matching Tilt & Turn, Bay and French windows, along with Residential and French doors offer ultra energy efficient solutions for developers wishing to achieve Passivhaus certified buildings.

**Zero|90** windows and doors are available from independent Liniar suppliers all over the UK.



## THE PRODUCT RANGE



Casement, French, Bay Window



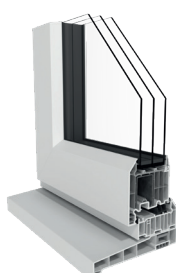
Tilt & Turn Window



Retro-fit Casement Window

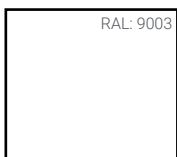


Residential Door

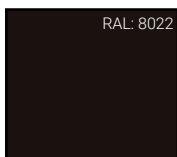


French Door

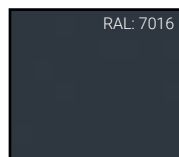
## COLOUR OPTIONS FROM STOCK



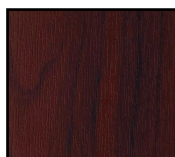
White



Black/Brown



Anthracite Grey



Rosewood

With 34 made-to-order foiled colours also available.

### INNOVATIVE



Including the UK’s first Passivhaus certified PVCu window, the **Zero|90** system is ideal for Future Homes and buildings.

### ULTRA ENERGY EFFICIENT



Offering some of the highest energy ratings in the UK, **Zero|90** windows achieve U-Values as low as 0.66 W/m<sup>2</sup>K with triple glazing\*.

### SUPERB NOISE REDUCTION



Choosing **Zero|90** windows can reduce noise levels by up to 42 decibels, halving the sound transmission of a standard PVCu window (typically around 32dB).

### SAFE AND SECURE



All **Zero|90** products are fully tested and compatible with British Standard PAS24 and Secured By Design, meeting Part Q building regulations.

### ATTRACTIVE



Despite its 90mm depth, a **Zero|90** window has the same slim, symmetrical sightlines as a standard Liniar 70mm window.

### RETRO-FIT OPTION



An innovative optional frame means **Zero|90R** can be fitted into an existing 70mm opening without disrupting the internal plaster line.

### CONTEMPORARY



With a modern, chamfered design, **Zero|90** is available in a choice of popular coloured foiled finishes to suit every building.

### FULLY MATCHING



The **Zero|90** range matches other Liniar products including bi-folding doors and lantern roofs, for wider project development.

\* Can achieve U-Values as low as 0.51 W/m<sup>2</sup>K with quadruple glazing.

[www.liniar.co.uk/zero90](http://www.liniar.co.uk/zero90)



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