INSITE
WINDOW SYSTEM

Efficient Offsite Construction



eurocell



InSite a revolutionary window system

Comprising of a specialist hinge, cavity barrier, sealant and Eurocells' Logik window profile. The InSite window system means fully glazed windows can be installed offsite, saving time and money. The future's InSite.

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Changing the future of offsite manufacturing

Faster and Easier

The InSite system enables timber frame and light gauge steel manufacturers to install fully glazed, fully finished windows into wall panels as part of the factory production process. This reduces on-site disruption and labour costs while saving time on build programme schedules. The whole panel assembly means the building is wind and watertight on day one, so interior trades can begin work immediately. No waiting for fitters. No worries about scaffolding obstructing window installation. With the windows fitted completely within the panels, this allows transport space to be optimised without the need to pack up between the panels.

Safer too

Site safety and security is the top priority for all responsible contractors. InSite makes working safely on-site easier too, because no working at height is required. Preparing InSite for external cladding and internal boarding can all be done from inside the building, once the window is pushed out into the locked position. Site traffic is reduced because there are no separate window deliveries and no manual handling is required. And no need to store windows on-site means security is improved by reducing risk of theft and damage.

Less disruption on-site

Weathertight on day one

Rigorously tested & verified

UO.9 WITH ARGON GAS

Window U-values as low as U0.9

Lower on-site labour costs

10 YEAR

10-year guarantee for peace of mind



HOW IT WORKS

The window sits inside the cavity, so that when the panel is craned into place it hangs vertically. This makes it easier to put into place on-site, rather than the weight causing the panel to go in at an angle because the weight is pulling on one side.

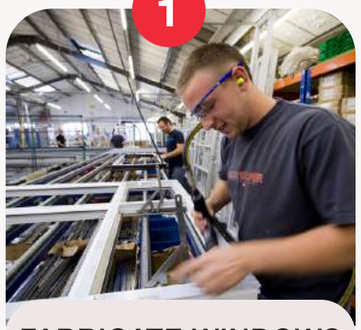
Controlled standards consistent quality every time

InSite windows are fabricated and fitted entirely in factories – so customers receive the same benefits that they offer their clients. The ‘Push out’ design feature means InSite is especially suited to timber frame and LGS housing.

Because the window sits within the cavity, it can be transported to site from factory. The design enables flat transportation so packers are not required and the windows aren’t damaged in transit.

This process ensures that every window is installed to factory process-controlled standards, for consistent quality every time.

1



FABRICATE WINDOWS FOR THE INSITE SYSTEM

2



FIT INTO PANELS IN THE FACTORY

3



INSTALL WALL PANELS ON-SITE

4



LOCK INSITE INTO POSITION (PUSH-OUT)

5



CLAD AROUND THE WINDOW

6



FINISHED SOLUTION



Fully engineered

The ingenuity of the InSite wall fixing engineering is matched by the calibre of its window design engineering.

Quality controlled manufacture

Eurocell is unusual amongst PVC-U manufacturers in having in-house toolmaking facilities, as well as its own PVC-U compound mixing plant, affording greater quality control over the production process.

A brighter sight

InSite multi-chambered frames not only perform better than others, but also offer slim sight lines, to increase glass area and create a sleek appearance, so homeowners enjoy lighter, brighter interiors.

Versatility

InSite can be configured to accept both 28mm and 36mm glazing thicknesses, according to the specifications and requirements of your project.

Clip-on cill

A full range of cill sizes are available, all of which neatly and simply clip on to a universal cill connector pre-fitted to the base of the window. Eurocell cills are also made using post-consumer recycled PVC-U.

10-year product guarantee

The windows used as part of the InSite system carry a 10-year product guarantee from a single source, including fixing assemblies, to provide customer peace of mind. The simplified supply chain also offers full product traceability and centralised documentation.

Safe as houses

The security of their property is a major concern for any homeowner. This is why InSite windows and doors have passed the PAS24 enhanced security test, providing you, your clients and homeowners with peace of mind.

Peace of mind

Meets NHBC guidelines.



ENERGY EFFICIENCY



Increasing demand for energy efficient windows

Delivering superior energy efficiency has never been more important for the construction industry and homeowners. It's an alarming fact that our homes and buildings are responsible for almost half of the UK's carbon dioxide emissions.

Windows have an important role to play in combating energy wastage, since 20% of the heat escaping from an average home is lost through its windows*.

Leading energy efficiency

Maximising the thermal performance of windows is vital to meet rising regulatory and client demands. The advanced multi-chamber design of Logik windows used as part of the InSite system, works to lock in warm air to improve efficiency. This results in market-leading double and triple-glazed window performance and value.

*Source: Energy Saving Trust.

SUSTAINABILITY

The sustainable option

InSite windows feature post-consumer recycled PVC-U in the centre of the frames. This ensures the same aesthetics and technical performance as the external faces, but combined with environmentally responsible benefits for today's sustainability-conscious construction industry.

We're committed to reducing our impact on the environment

At Eurocell, we're at the forefront of sustainable developments. We recycle around 3 million waste PVC-U frames every year and use recycled or recyclable materials in all of our products. Plus, it's all completed in the UK – reducing CO_2 emissions and cutting down travel miles.





Create your own identity

The InSite system is compatible with Logik windows for a comprehensive choice of styles to suit any building design, with each system offering interchangeable beads the exterior and interior aesthetics can be completely different if required. Cream, White Ash or dark woodgrain-effect finishes provide a traditional feel while Grey tones remain a popular choice for creating a contemporary look. Whatever the needs of your projects, InSite has the solution.

Ovolo

From the Monochrome range



WHITE
Both sides

WHITE ASH†
Both sides

ANTHRACITE GREY WOODGRAIN
White interior

ANTHRACITE GREY WOODGRAIN
Both sides

BLACK ASH
White interior

BLACK ASH
Both sides

From the Neutrals range



CREAM WHITE†
White interior

AGATE GREY
White interior

From the Traditional range



CHARTWELL GREEN
White interior

From the Timber range



ROSEWOOD
White interior

ROSEWOOD
Both sides

IRISH OAK†
White interior

IRISH OAK†
Both sides

GOLDEN OAK
White interior

GOLDEN OAK
Both sides



The Logik system offers three profile styles, traditional ovolo, modern chamfered and contemporary flush, with energy-efficient performance as standard. Whatever the building style there's a Logik option to suit.

Chamfered & Flush

From the Monochrome range



WHITE
Both sides

MOONDUST GREY
White interior

SLATE GREY WOODGRAIN
White interior

SLATE GREY SMOOTH
White interior

ANTHRACITE GREY WOODGRAIN
White interior

ANTHRACITE GREY WOODGRAIN
Both sides

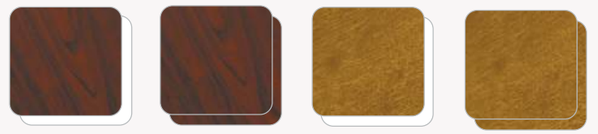
BLACK ASH
White interior

BLACK ASH
Both sides

From the Traditional range

CHARTWELL GREEN
White interior

From the Timber range



ROSEWOOD
White interior

ROSEWOOD
Both sides

GOLDEN OAK
White interior

GOLDEN OAK
Both sides

From the Neutrals range



CREAM WHITE†
White interior

AGATE GREY
White interior



See our colours in demand brochure

for additional made to order colour options

FULLY TESTED

Peace of mind included as standard

InSite windows comply with the relevant Building Regulations and have been thoroughly air, water and wind pressure tested, including resisting wind loads well in excess of 200mph – significantly beyond the highest Category 5 hurricane winds rating (156mph+). The engineering assessment of loadbearing capacity has been made by independent consulting engineers specialising in timber fame construction and according to the current Eurocodes covering loading, structural design and material properties. The hinge bracket design is not currently directly regulated, but references are drawn to the following British Standards:

BS 8213-4:2016

"Code of practice for the survey and installation of windows and external doorsets"

EN ISO 8970:2010

"Timber structures – Testing of joints made with mechanical fasteners – Requirements for wood density"

BS EN 10088-1:2014

"Stainless steels Part 1: List of stainless steels"

BS EN 12210:2016

"Windows and doors — Resistance to wind load — Classification"

BS EN 14358:2006

"Timber structures. Calculation of characteristic 5-percentile values and acceptance criteria for a sample"

BS EN 1990:2002

"Eurocode — Basis of structural design"

BS EN 1993-1-1:2005

"Eurocode 3: Design of steel structures — Part 1-1: General rules and rules for buildings"

BS EN 1993-1-3:2005

"Eurocode 3 — Design of steel structures — Part 1-3: General rules — Supplementary rules for coldformed members and sheeting"

BS EN 1993-1-4:2015

"Eurocode 3 — Design of steel structures — Part 1-4: General rules — Supplementary rules for stainless steels"

BS EN 1993-1-8:2005

"Eurocode 3: Design of steel structures — Part 1-8: Design of joints"

BS EN 1995-1-1:2014

"Eurocode 5: Design of timber structures – Part 1-1: General – Common rules and rules for buildings"

EOTA ETAG 015:2012

"Guideline for European technical approval of Three-Dimensional Nailing Plates"

EOTA TR16: 20002/2012

"Method of testing Three-Dimensional Nailing Plates with examples"

WINDOW SIZES PERMITTABLE

WIDTH: Min 650mm, Max 2300mm

HEIGHT: Min 650mm, Max 2300mm

Variable numbers of fixing bracket hinges are required, depending on the specific window dimensions.





For more information about InSite windows system from Eurocell, call our customer services team:

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MADE & RECYCLED IN THE UK

eurocell

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