



inSite[®]

Faster, easier, safer window and door solutions. The future's InSite.

eurocell[®]

All together better



inSite®

INSITE IS THE NEW WINDOW & DOOR SYSTEM FROM EUROCELL
THAT'S PURPOSE-DESIGNED FOR OFF-SITE CONSTRUCTION

Faster and Easier

InSite enables timber frame and modular 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 can be made watertight within one day, so interior trades can begin work immediately. No waiting for fitters. No worries about scaffolding obscuring window installation. And, approximately 30% more InSite wall panels transported compared to other panels, because its windows fit flush inside the panel.

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 plastering 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.

THE BENEFITS OF INSITE



**Less disruption
on-site**



**Weathertight
same day**



**Rigorously tested
& verified**



**Window U-values
as low as U0.8**



**Lower on-site
labour costs**



**Consistent
finished quality**



**BBA
windows**



**10-year guarantee
for peace of mind**

Leading energy efficiency

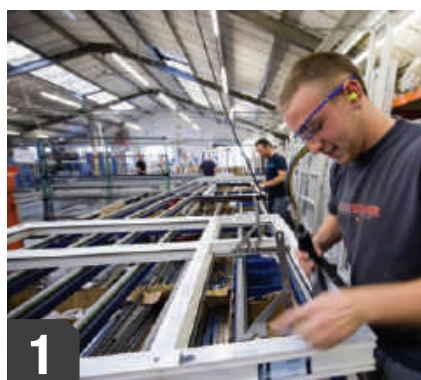
Maximising the thermal performance of windows is vital to meet rising regulatory and client demands. The advanced multi-chamber design of InSite frames works to lock in warm air to improve efficiency. This results in market-leading double and triple-glazed window performance and value.

The sustainable option

InSite windows and doors 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.



HOW IT WORKS



1

**FABRICATE
INSITE WINDOWS**



2

**FIT IN
FACTORY**



3

**INSTALL WALL
PANELS ON-SITE**

InSite windows & doors are fabricated and fitted entirely in factories – so customers receive the same benefits that they offer their clients. The ‘pop-out’ design feature means InSite is especially suited to timber frame housing and modular building ‘pod’ or module applications.



4

**LOCK INSITE
INTO POSITION
(PUSH-OUT)**



5

**CLAD AROUND
INSITE**



6

**FINISHED
SOLUTION**

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



ADVANCED PERFORMANCE

LEADING TECHNICAL & SUSTAINABILITY PERFORMANCE

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

10-year product guarantee

InSite windows and doors 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.

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.



DID YOU KNOW?

This means that an InSite frame can be used for more than 350 years!

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. A smart, simple solution.

Peace of mind

BBA accreditation means you can specify InSite confident that it will perform at its best and look great for years to come.



Assessment report numbers 2480 and 2663



A+ A++

↓ CO₂



High thermal efficiency



**Made from
recycled materials**

MAXIMUM ENERGY EFFICIENCY

FOR MINIMUM OUTLAY ON HEATING BILLS

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.

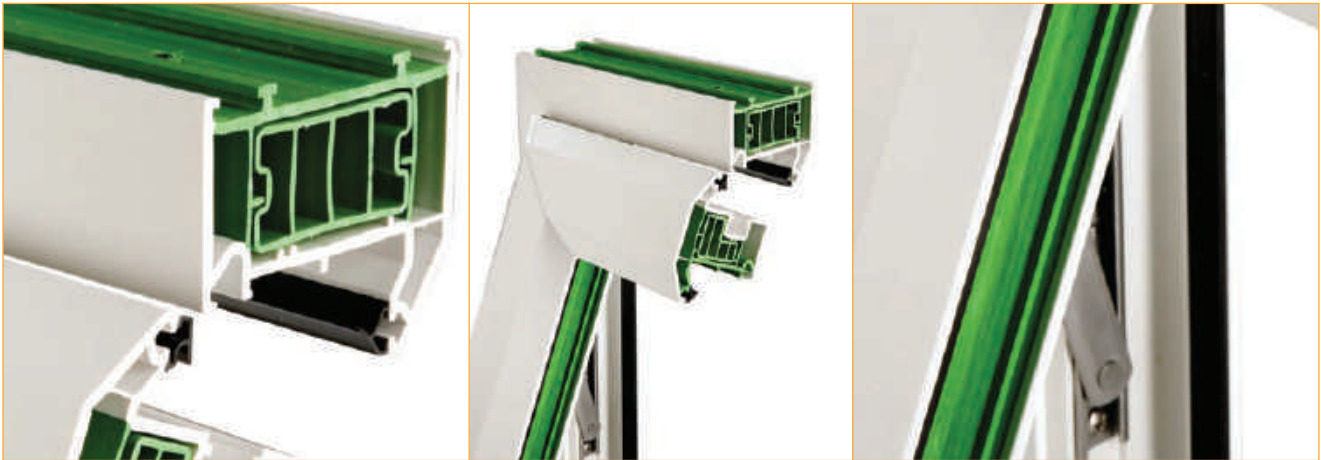
Windows have an important role to play in combating energy wastage, since 20% of the heat escaping from an average home is lost through its windows*.

*Source: Energy Saving Trust.

The green option you can afford

Eurocell InSite helps builders and homeowners to meet their environmental objectives – without having to pay a premium for going green. Fitting Eurocell PVC-U Thermal Inserts in InSite profiles to boost the thermal efficiency of your windows provides better value than steel alternatives. And they are made from recycled material.

THERMAL PERFORMANCE SPECIFICATION COMPARISON



InSite slim outer frame with PVC-U Thermal inserts reinforcements

Config	Glass 1 (external)	Glass 2	Glass 3 (internal)	Gas	Spacer bar	Reinforcing	WER	Energy Index	U-value
4/12/4/12/4	Pilkington Optiwhite	Pilkington K Glass S	Pilkington K Glass S	Argon	SuperSpacer Premium	Thermal Insert	A++	21	1.0
4/20/4	SG Diamant	N/A	SG Planitherm Total +	Argon	Swisspacer Ultimate	Thermal Insert	A+	13	1.3
4/20/4	Float	N/A	AGC Planibel A	Argon	Swisspacer Ultimate	Thermal Insert	A	3	1.5

InSite standard outer frame with PVC-U Thermal inserts reinforcements

Config	Glass 1 (external)	Glass 2	Glass 3 (internal)	Gas	Spacer bar	Reinforcing	WER	Energy Index	U-value
4/12/4/12/4	SG Diamant	SG Planitherm Total +	SG Planitherm Total +	Argon	SuperSpacer Premium	Thermal Insert	A+	16	1.0
4/20/4	SG Planiclear	N/A	SG Planitherm Total +	Argon	Swisspacer Ultimate	Thermal Insert	A	5	1.3
4/20/4	Pilkington Optiwhite	N/A	Pilkington K Glass	Argon	SuperSpacer Premium	Thermal Insert	A	1	1.5
4/20/4	SG Planiclear	N/A	SG Planitherm Total +	Argon	Aluminium Spacer	Thermal Insert	B	-7	1.5
4/20/4	Float	N/A	Pilkington K Glass	Argon	SuperSpacer Premium	Thermal Insert	B	-4	1.5
4/20/4	SG Planiclear	N/A	SG Planitherm Total +	Air	Aluminium Spacer	Thermal Insert	C	-20	1.6
4/20/4	Float	N/A	Pilkington K Glass	Air	SuperSpacer Premium	Thermal Insert	C	-15	1.7

InSite standard outer frame with standard steel reinforcements

Config	Glass 1 (external)	Glass 2	Glass 3 (internal)	Gas	Spacer bar	Reinforcing	WER	Energy Index	U-value
4/12/4/12/4	SG Planiclear	SG Planitherm Total +	SG Planitherm Total +	Argon	Thermabar	Full Steel	A	7	1.2
4/20/4	SG Diamant	N/A	SG Planitherm Total +	Argon	SuperSpacer Premium	Standard Steel	B	3	1.4
4/20/4	Pilkington Optiwhite	N/A	Pilkington K Glass	Argon	SuperSpacer Premium	Standard Steel	C	-5	1.6
4/20/4	Float	N/A	SG Planitherm Total +	Argon	Aluminium Spacer	Standard Steel	C	-11	1.6
4/20/4	Float	N/A	AGC Planibel Top N	Argon	Thermabar	Standard Steel	C	-14	1.4

Further configurations available.



inSite® STYLE OPTIONS

CREATE YOUR OWN IDENTITY

Traditional or contemporary?

InSite is available with two distinct aesthetics. The 'Ovolo' version is a sculptured bead design to replicate a traditional window look, often required in conservation areas. The angled 'Chamfered' version is more commonly specified for contemporary designed properties. The internal beads are interchangeable, allowing the exterior and interior aesthetics to be completely different, if required.

Colours to frame the view

InSite frames are available in a wide range of colour options, to complement your choice of frame style. Cream, White Ash and dark woodgrain-effect finishes are frequently chosen for a traditional window style, often with the same colour internally and externally. Whereas dark greys or lighter oak externally, with white internally are more popular choices for a contemporary look. Whatever the needs of your projects, InSite has the solution for you.



Casement windows – Anthracite Grey



Casement windows – Ovolo – Cream



Tilt and turn windows – Moondust Grey

FRAME STYLES



Chamfered



Ovolo

FRAME COLOURS



WHITE
White interior



WHITE ASH†
Both sides



CREAM
Cream interior



IRISH OAK†
White interior



IRISH OAK†
Both sides



GOLDEN OAK
White interior



GOLDEN OAK
Both sides



ROSEWOOD
White interior



ROSEWOOD
Both sides



SLATE GREY*
White interior



ANTHRACITE GREY*
White interior



BLACK ASH*
White interior

**ADDITIONAL COLOURS AND SPECIFICATIONS ARE
MADE TO ORDER ON EXTENDED LEAD TIMES**

† Ovolo only * Chamfered only



All together better

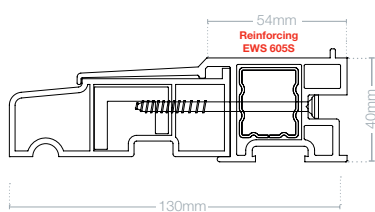
CHAMFERED



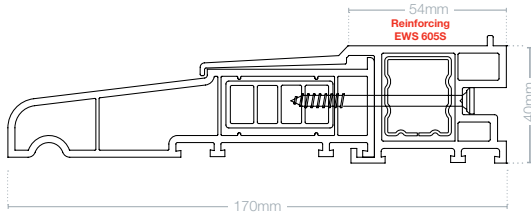
OVOLO



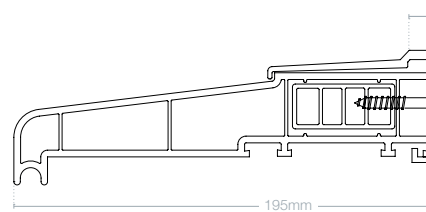
CILLS WITH EXTENDERS



EWS1180 with AS85 CILL
AS 85



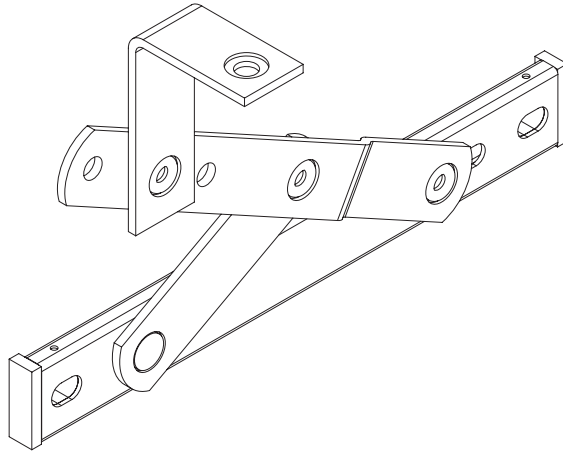
EWS118 with AC125 CILL
AC 125



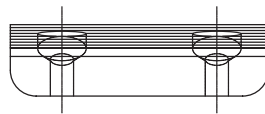
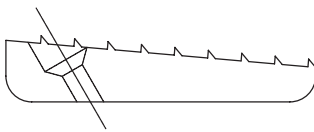
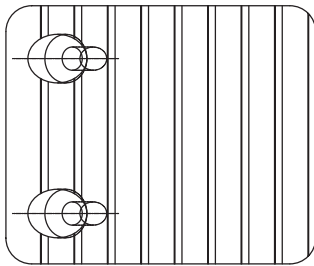
EWS118 with AC150 CILL
AC 150

Off-site construction window and door system

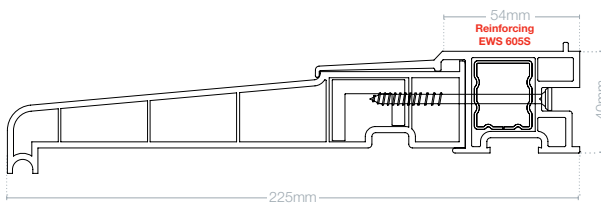
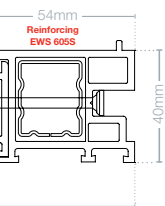
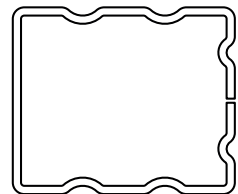
HINGE CBPUK901-L50



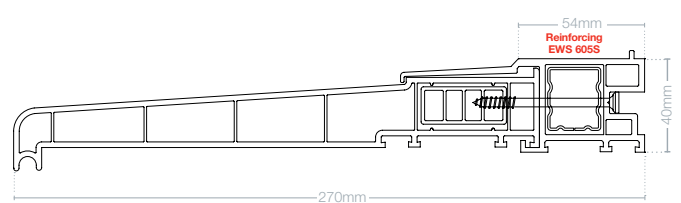
WEDGE CBPWEDGE1



EWS605S



EWS1180 with AC180 CILL
AC 180



EWS118 with AC225 CILL
AC 225

FULLY TESTED

For peace of mind

InSite windows and doors 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 frame 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.





All together better

For more information about **inSite** windows and door system from Eurocell, call our customer services team on **0800 988 3047**, or visit **eurocell.co.uk/insite**

InSite, Black Barn, Mythe Farm Business Centre, Mythe Road, Tewkesbury GL20 6EA



eurocell.co.uk