



Uniclass L411+L413+L2228:N352:P5
CI/SfB (31.4)+(31.5)+(90.2) Xi (M2)
October 2020



PROGRESSION

PASSIVHAUS SUITABLE TIMBER WINDOWS

Minimalist design | Low maintenance | 'Frameless' glazing

Sole UK agents for:  Slavona®



**U_w values
as low as
0.68 W/m²K**

PROGRESSION

PROGRESSION offers a high performance and minimalist design for Passivhaus and low energy projects. PROGRESSION is exclusively available in the UK through Green Building Store, in partnership with Czech manufacturer Slavona, and combines an outstanding aesthetic with competitive pricing.



LOCH LEVEN LOW ENERGY NEWBUILD cover: FISHLEYS PASSIVHAUS



'FRAMELESS' GLAZING

PROGRESSION is ideal for projects requiring 'narrow sightlines' and minimalist design. When installed correctly, the frame is hidden within the insulation at the wall junction, giving the appearance of 'frameless' glazing from the outside. From the inside, PROGRESSION looks like a timber window. Narrow frames and larger glazing proportions bring more light to the inside of homes and buildings and improve the energy balance.



TY CASIM PASSIVHAUS

“I really like the look and the slender frame is a real bonus for achieving the Passivhaus energy target in a cost effective way.”

Nick Grant *Passivhaus Consultant*



LOCH LEVEN LOW ENERGY NEWBUILD

“We chose PROGRESSION for the quality of the window and the narrow sightlines which maximises the glazed area. The insulated frames and increased glazing area meant that they perform well thermally. Visually they’re great. I love the fact the frames are almost invisible.”

The PROGRESSION windows also worked well for the large uninterrupted picture windows that we wanted for the project. We have already specified PROGRESSION on another project we are working on.”

Kirsty Maguire *Kirsty Maguire Architect Ltd*



THERMOWOOD CLADDING

LOW MAINTENANCE

PROGRESSION uses either GRP (glass reinforced plastic) or highly durable Thermowood thermally-modified timber on external facing head and jambs, which requires minimal or no maintenance during its lifetime.



GRP CLADDING



PASSIVHAUS CERTIFIED 'A RATED' OPTION

PROGRESSION windows (with Thermowood cladding) are **Passivhaus** certified by the Passivhaus Institut to efficiency class A, thanks to the highly-insulated narrow frame and high proportion of glazing to frame. The GRP-clad version is awaiting Passivhaus certification.

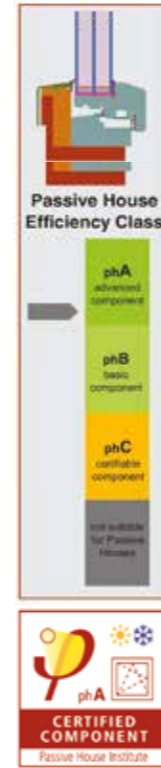
SWANN EDWARDS PASSIVHAUS OFFICE



“We liked the minimalist, simple lines which worked really well with the design. The PROGRESSION windows are very well made, and have gone down well with the client and visitors.”

Adrian Cook *Architect*

TY CASIM PASSIVHAUS



Passivhaus certified option

A-rated Passivhaus certified timber window option
(with Thermowood cladding only)

Thermally efficient

Whole window U value = 0.68 W/m²K

Triple glazing

Glazing U value = 0.53 W/m²K

Narrow sightlines

Window frame hidden from outside when installed within insulation

Timber

Available in spruce

GRP cladding*

Used on the external face for durability and minimal maintenance

Insulated frame and Compacfoam at base*

Designed to minimise thermal bridging

**U_w values
as low as
0.68 W/m²K**



*Alternatively Thermowood thermally-treated wood can be used

*Alternatively cork insulation can be used



SWANN EDWARDS PASSIVHAUS OFFICE

“The insulated frame of the PROGRESSION windows worked well in the THERM calculations on the project and offered a better installation PSI value than those offered by alu-clad alternatives. We also liked the narrow sightlines and general performance of the windows.

We’ve had no problems with the PROGRESSION windows and doors at all. They look really, really good.”

James Burton *Swann Edwards Architecture*



MEETING HOUSE LANE PASSIVHAUS

“The PROGRESSION windows make a great contribution to the project. We’re particularly pleased by the way the windows sit – and look – in the beautiful brickwork.”

Fran Bradshaw
Anne Thorne Architects



TY PREN PASSIVHAUS also featuring Green Building Store's ULTRA triple glazed timber door

“We specified the PROGRESSION windows for this project because we needed a low cost, high performance window to be used within a crisp rural aesthetic and to achieve Passivhaus standards. We have used the PROGRESSION range previously and have been pleased with the overall design, quality and price.”

Charles Grylls *Dempsey Decourcy Architects*



LOCH LEVEN LOW ENERGY NEWBUILD

TECHNICAL DATA

Glazing

Depth of glazing: 4-18-4-18-4 = 48mm
Standard

Ug: 0.53 W/m²K, g value: 0.50

High g

Ug: 0.62 W/m²K, g value: 0.62

Additional glazing options

- Solar control glazing units
- Acoustic glazing units
- Safety unit – toughened or laminated
- Obscure glazing

Thermal insulation

Standard Uw: 0.68 W/m²K

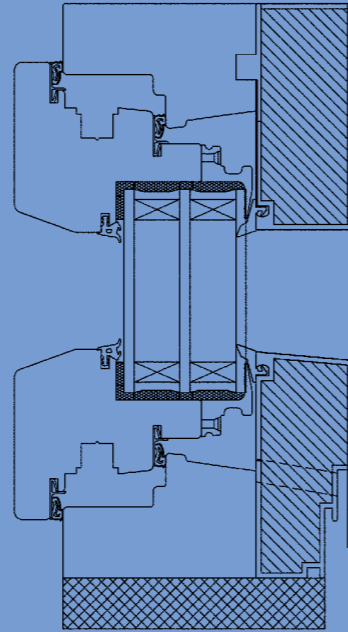
High g glazing Uw: 0.75 W/m²K

Hardware

Hidden hardware (with 160kg capacity)
High security tilt & turn locking systems
Locking handles
Fully adjustable hinges for easy adjustment in three dimensions after installation
Multi-cam espagnolette security lock
Full-finish coated alloy locking handles
Non-locking available

Frame

Timber frame: spruce with external GRP cladding*
Insulated frame and Compacfoam at base+
GRP-clad sill
Optional aluminium extension sill



Finishes

Interior options

- Naturally oiled with plant oils
- Paint finish in a choice of RAL colours
- Translucent colour stain finishes

Exterior options

- GRP cladding available in a choice of RAL colours
- (Optional) Thermowood cladding available in grey or brown
- Sills and extension sills available in a choice of RAL colours

Window opening styles

- Fixed
- Tilt & turn
- Tilt only

Security

Windows and glazed entrance doors are available with Part Q compliant options

FREE TECHNICAL SUPPORT

Included in your contract we offer the following technical support for your low energy or Passivhaus project, in addition to PHPP-ready data:

- Installation PSI values*
- Technical advice on detailing*

For more information, please contact the contract manager dealing with your order. t: 01484 463336

*See Terms & Conditions:

www.greenbuildingstore.co.uk/free-product-technical-support/

Thermal bridge calculations, CAD sections & PHPP-ready spreadsheets can be downloaded from:

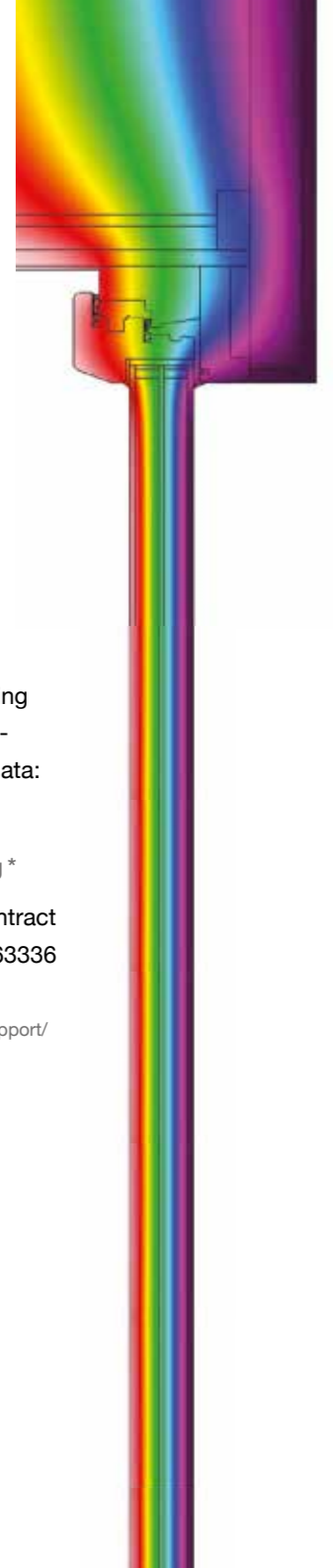
www.progressionpassivhaus.co.uk

*Alternatively Thermowood cladding can be used

*Alternatively cork insulation can be used

Overall U values to BS EN 12567-1/ BS EN 10077-2: 2012, 1230 X 1480 opening window

www.greenbuildingstore.co.uk



**PROGRESSION windows
can be complemented by
Green Building Store's
ULTRA triple glazed timber
windows and doors.**

**Please call for a quote on
01484 463336**



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