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February 2021



## PROGRESSION

### PASSIVHAUS SUITABLE TIMBER WINDOWS

Minimalist design | Low maintenance | 'Frameless' glazing

Sole UK agents for:  Slavona®



**U<sub>w</sub> values  
as low as  
0.68 W/m<sup>2</sup>K**

## 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: VOWCHURCH 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



THE WOODHOUSE, PRESTEIGNE PASSIVHAUS NEWBUILD

#### 'A RATED' PASSIVHAUS CERTIFIED

**PROGRESSION** windows 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.



“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**

A-rated Passivhaus certified timber window

**Thermally efficient**

Whole window U value = 0.68 W/m<sup>2</sup>K

**Triple glazing**

Glazing U value = 0.53 W/m<sup>2</sup>K

**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<sub>w</sub> values  
as low as  
0.68 W/m<sup>2</sup>K**



\*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*



AIMING FOR PASSIVHAUS, DUNDEE

“The PROGRESSION windows work really well in terms of maximising the glazing area and minimising the visual impact of the window frames. They also work well in terms of the detailing of over-cladding of insulation around the frame to minimise thermal bridging. The crisp narrow sightlines of the PROGRESSION windows match the contemporary aesthetic of the project, including the zinc cladding. The windows and doors look great!”

**Kirsty Maguire** *Kirsty Maguire Architect Ltd*

## TECHNICAL DATA

### Glazing

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

Ug: 0.53 W/m<sup>2</sup>K, g value: 0.50

High g

Ug: 0.62 W/m<sup>2</sup>K, 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/m<sup>2</sup>K

High g glazing Uw: 0.75 W/m<sup>2</sup>K

### 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

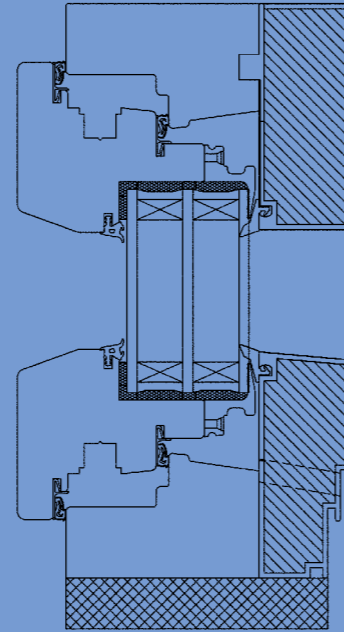
### Frame

Timber frame: spruce with external GRP cladding\*

Insulated frame and Compacfoam at base<sup>+</sup>

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/](http://www.greenbuildingstore.co.uk/free-product-technical-support/)

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

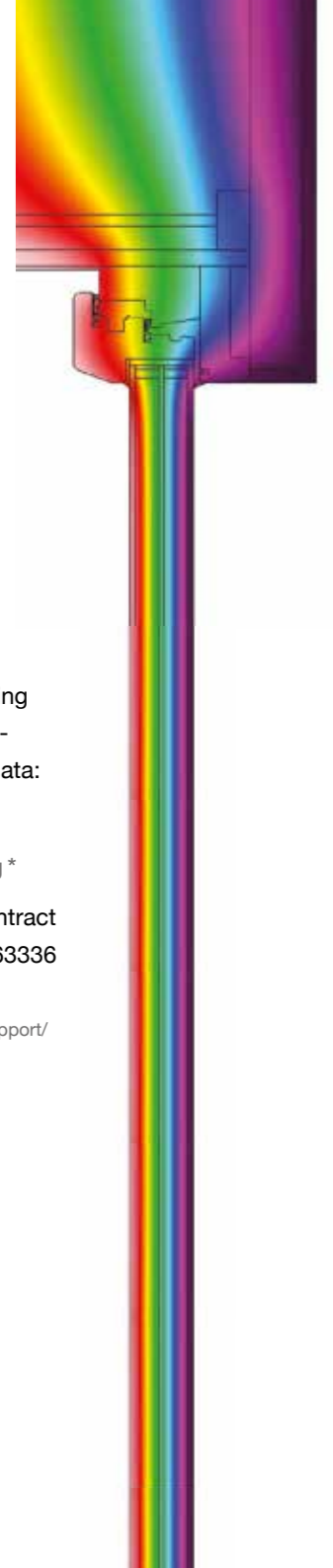
[www.progressionpassivhaus.co.uk](http://www.progressionpassivhaus.co.uk)

\*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](http://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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building  
store**®

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