

TIMBER WINDOWS + DOORS

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February 2021





HIGH PERFORMANCE WINDOWS + DOORS

for low energy homes + buildings



The mark of responsible forestry



www.greenbuildingstore.co.uk

ENERGY **EFFICIENT** TIMBER WINDOWS + DOORS

Triple glazing will bring comfort and warmth to your home, helping eliminate cold **spots** and down draughts near windows. Our FSC® certified timber windows and doors are made from redwood or fair-faced oak.

Whether you are **replacing** windows or building your own grand design, our ranges offer a beautiful solution for low energy and Passivhaus homes.

As a small specialist supplier with over 25 years' expertise in supplying high performance windows and doors, Green Building Store will be part of your project team. We offer outstanding personal service and technical support for your project, from initial quotation to aftersales.



Luke Gilman Windows Department Manager



the quality of Green Building Store's customer service. Value for money is obviously an important factor when specifying. We did some cost comparisons and these windows came out really well compared to competitors. Green Building Store is also very easy to work with and really supports us throughout the

whole specification process."

Paul Testa Architect

Store. You've been absolute professionals, really easy to deal with and all-round lovely folk!" Clients



Clear stain inside and RAL 7037 images: Dug Wilders Photograph

RETROFIT Reading

Cost-effective

"I am not keen on PVC windows and efficient windows for our project. We got quotes from a number of companies, which were all quite expensive. I'm so glad that we then came upon Green Building Store's website and got a quote for the windows and doors, which turned other quotes." Angela Morley Client



knew that I wanted wooden, energy out to be around half the price of the

Delight

"We are really happy with our PERFORMANCE windows and doors. They look great and passers-by have even asked us about them! The customer service has been amazing and the whole company and everyone we have dealt with have been a delight. The window fitting team were exceptional and really helpful on site." Angela Morley Client



Helpful and responsive supplier

"The PERFORMANCE windows and doors were high performance and a good quality without being over fussy or expensive. We're very happy with the windows and doors - they look brilliant and are performing well. The service from Green Building Store, including fitting team and aftersales, has been fantastic. With windows and doors, it really matters to have a helpful and responsive supplier and aftersales team." Will Anderson Client

THE ORCHARD NEWBUILD PROJECT London



State of the





Passers-by

"We love the windows and doors! I can't tell you how many comments we've had about them from neighbours and passers-by. The house was pretty cold before so we've been feeling a lot warmer since the retrofit." **Debbie Isles** Client



www.greenbuildingstore.co.uk

colour RAL 7044 Paint finish



Clean, simple aesthetics

"We have specified Green Building Store windows on various traditional and contemporary, refurbishment and newbuild projects over the past 10 years, and all our clients have been very pleased with them.

We particularly like the green credentials, as well as the exceptional performance and quality, and the clean, simple aesthetics." Fenella Tratt Hooley & Tratt Partnership

RETROFIT Sheffield





www.greenbuildingstore.co.uk

Green Building Store

"We are delighted our house is now complete and has become a great family home. Green Building Store played a very significant role throughout and their input at all stages has been invaluable, something for which we are very grateful. We couldn't recommend them highly enough." Clients

Lift and slide doors

"We spent a great deal of time researching similar products from several other companies and the quality and design of Green Building Store's range stood out against the rest. We were able to look at working examples of the windows and doors in their showroom and the performance, clearly visible attention to detail plus the level of customer service meant there was no decision to be made. The very large sliding doors, despite their size and weight, move easily and silently, they provide excellent sound-proofing and certainly add to the overall cosy feel of the house." Clients

For more on our lift and slide

doors go to page 28







Fitted the bill

"We looked at different triple glazed windows and Green Building Store's PERFORMANCE range was by far the most cost-effective of all the quotes we received. They were of a high quality and the U value fitted the bill for the level of retrofit that we were aiming for." lan Mawditt Client

Performing well

"The thermal images of the house, before and after the retrofit, show how well the windows are performing compared to the original windows. The aesthetics of the windows are also very pleasing and they always attract interest when we do OpenHomes events etc." lan Mawditt Client



Paint finish colour available on request

www.greenbuildingstore.co.uk

Aesthetics

"The PERFORMANCE windows and French doors from Green Building Store are very impressive. The clients and construction team have been very pleased with them. Passers-by remark on them and we've already had expressions of interest from other potential clients in the area." Chris Hales Project Manager





Flexibility

"The clients were very keen to have triple glazing but a lot of the suppliers we explored couldn't provide the interstitial glazing bars, eyebrow windows or warranties required for the project. Green Building Store was able to deal with these technical requirements, whilst also offering high performance triple glazing at a good price." Chris Hales Project Manager



NEWBUILD PROJECT County Durham

Meeting Planning requirements

"Green Building Store's mock sliding sash option gave the best thermal performance sliding sash type window that we could find. It is a tilt and turn inward opening window that gives a convincing outward appearance of a sliding sash window. We were relieved that it met with the planning department's approval. We have been more than happy with the windows – they do what they say on the tin!" Phil Newbold

Passive House Consultant



For more on mock sliding sash windows go to www.greenbuildingstore.co.uk

PASSIVHAUS HOMES Exeter City Council



Competitive advantage "When we were researching Passivhaus suitable window components, we came across Green Building Store's PERFORMANCE range which offered the high performance that we needed, combined with affordability. We put them out to tender with our contractors against a competitor's range and the PERFORMANCE range came out on top."

"We have been happy with the PERFORMANCE windows and doors – they look good and we are pleased with the finish. We would consider specifying the product again if it continues to offer a competitive advantage of price and performance." Jonathan Barattini

Architect, Gale & Snowden

Part of the team

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"Green Building Store's PERFORMANCE window suited the project for a number of reasons. It is a substantial window which is solid without being too clunky and is sufficiently robust to help us meet the EnerPHit airtightness requirements. It also offered a cost-effective option for the project and an alternative to high-end Passivhaus ranges. It was really good to have Green Building Store's input on window detailing at the very beginning of the project. We got far more input from Green Building Store than we would get from other window suppliers and they very much worked with us as one of the team." Eric Parks and Nittai Edelmann Architects

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Timber finish colour Oak wood stain

greenbuildingstore.co.uk .≥ \geq \geq



LAYNE FIELDS PASSIVHAUS PROJECT Devon

Robust

"We specified the ULTRA entrance doors, after examining a range of other options available, because they best met all our requirements for airtightness and U values. We have been impressed with their robustness and appearance.

Green Building S us develop detail thresholds using to reduce therma threshold detail. Cath Atkins Associate, Mitche

Paint finish colour RAL 7035



Bromley

On our side

"We looked at a wide range of window suppliers and Green Building Store's PERFORMANCE range stood out for us on quality and price. We are very happy with the quality and robustness of the PERFORMANCE windows and doors. We have had a lot of positive feedback about them. We really got the feeling that Green Building Store were on our side and batting for us. They have been a nice bunch of people to deal with."

Mark Watts Architect, developer, builder Cedar Rydal Ltd

LARGE-SCALE PROJECTS

	Paint finish colour various (red/ blue/ gre
Store also helped	us (re
ing for the door	ario
Compacfoam 200	ur v
l bridging at the	colo
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	nt fiir
ell Architects	Pair

LOW ENERGY DEVELOPMENT



Green Building Store's Founders

Receiving the Queen's Award for Enterprise: Sustainable Development 2009 for the company's 'pioneering approach to sustainability' and for providing 'cutting edge sustainable products'.



UK-wide comprehensive survey & fitting service

PART OF YOUR TEAM

As a small company with **over 25 years' experience** of working on low energy homes and buildings across the UK, we combine **technical expertise** with **outstanding personal service**, a **conscientious fitting team** and **dedicated aftercare**.

Whether you are **refurbishing your home**, embarking on a **new build** or realising your **Passivhaus** dream, we can offer the support and advice you need to make your project a reality.

From our **FREE talks** and **resources** to full **consultancy service** and **product support**, Green Building Store will be one of your project team.





Windows team



We are based in an old woollen mill on the edge of the Pennines.





Viewing our windows & doors

Get in touch



Visit us at showrooms in Huddersfield or Swindon or catch us at exhibitions around the UK. Alternatively, our Sales Manager **Mike Shufflebotham** can also bring window samples to you, by arrangement. **Tel: 01484 463336** info@greenbuildingstore.co.uk



We pride ourselves on our personal, friendly and non-pushy customer service. Call **Paul Cowley** for advice on the most suitable range for your project, to organise a quotation or to set up a showroom visit. **Tel: 01484 463336** info@greenbuildingstore.co.uk

PERFORMANCE 78 mm profile

Our best-selling high performance range for energy efficient homes



"I enjoy working with Green Building Store and Green Building Store windows and doors are our go to specification for high performance windows and doors. The combination of performance, cost and service is great, and difficult to find elsewhere. The PERFORMANCE range usually matches the U value requirements and specifications for the low energy and Passivhaus projects we work on." Paul Testa Paul Testa Architecture

The **PERFORMANCE** range is an ideal choice for most projects, whether you are simply replacing your windows, creating an energy efficient retrofit or specifying for a new home. With low U values, an excellent range of designs and styles, and competitive pricing, PERFORMANCE is a reliable, robust solution for your energy efficient project.

- U value as low as 0.85 W/m²K
- FSC[®] certified timber
- Part Q compliant and Secured by Design options
- Triple glazed as standard



For Passivhaus and advanced energy efficient specification projects



The ULTRA range offers an advanced specification suitable for certified Passivhaus and other ultra low energy projects. It is available in solid timber frame or an insulated frame version, both suitable for certified Passivhaus developments. U values: Insulated frame: 0.68 W/m²K Solid frame: 0.75 W/m²K



ULTRA 98 mm profile



· Passivhaus certified window option with insulated frame FSC[®] certified timber

Part Q compliant and Secured by Design options

ULTRA Contemporary Door

Mix & match

matched with, for example,

OUTWARD OPENING casement windows





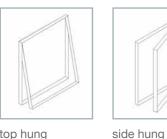


From inside

Typical maximum sizes

Fixed light: 2500 mm x 2500 mm Side hung: 950 mm x 1520mm Top hung: 1300 mm x 1650 mm

Opening styles



top hung

24 single window 1230 x 1480







TECHNICAL DATA

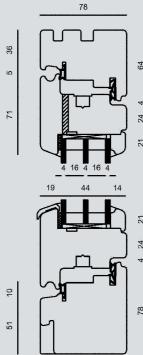
PERFORMANCE 78 mm profile

Our best-selling high performance range U_w: 0.85 W/m²K

Glazing & U values

Whole window U_w: 0.85 W/m²K Redwood 0.93 W/m²K Oak Glazing U value: Ug: 0.58 W/m²K Triple unit: Argon fill 44 mm Light transmission value: 74.1%

CAD section





ULTRA

98 mm profile For Passivhaus and higher specification projects Uw: 0.75/0.68 W/m²K

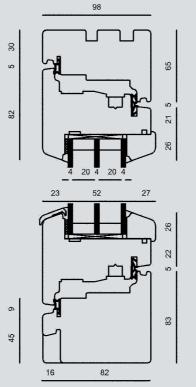
Glazing & U values

Solid frame:

Whole window U_w: 0.75 W/m²K Redwood 0.83 W/m²K Oak Insulated frame (Passivhaus certified):

Whole window U_w: 0.68 W/m²K Redwood 0.72 W/m²K Oak Glazing U value: Ug: 0.52 W/m²K Triple unit: Argon fill 52 mm Light transmission value: 74.1%

CAD section



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PERFORMANCE

78 mm profile Our best-selling high performance range Uw: 0.85 W/m²K

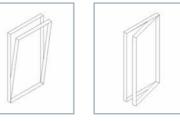
Glazing & U values Whole window U_w: 0.85 W/m²K Redwood 0.94 W/m²K Oak Glazing U value: Ug: 0.58 W/m²K Triple unit: Argon fill 44 mm Light transmission value: 74.1%

From inside

Typical maximum sizes

Tilt & turn: 1300 mm x 2300 mm Tilt only: 2000 mm x 950 mm or 1300 mm x 2300 mm

Opening styles



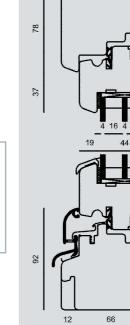
tilt & turn

*U values calculated for standard single window 1230 x 1480

INWARD OPENING tilt and turn

TECHNICAL DATA

*U values calculated for standard 66 12



CAD section

78

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From outside





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ULTRA 98 mm profile

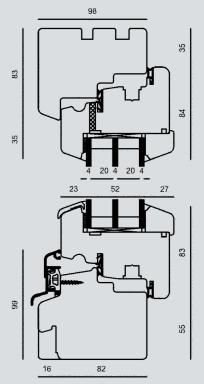
For Passivhaus and higher specification projects Uw: 0.75/0.68 W/m²K

Glazing & U values Solid frame:

Whole window U_w: 0.75 W/m²K Redwood 0.83 W/m²K Oak Insulated frame:

Whole window U_w: 0.68 W/m²K Redwood 0.72 W/m²K Oak Glazing U value: U_g: 0.52 W/m²K Triple unit Argon fill 52 mm Light transmission value: 74.1%

CAD section



www.greenbuildingstore.co.uk

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FSC www.fsc.org FSC* C008220 The mark of esponsible forestry





























































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Typical maximum sizes

Single: 1250 mm (w) X 2400 mm (h) Double: Total opening width up to 2500 mm

*U values calculated for standard single doorset 1230 x 2180

ACCESSIBILITY

Green Building Store supplies our single and double doors with a Part M compliant threshold, as standard. We can

1027 mm. For commercial and in these instances the

Please speak to a member of the

Please note: For retrofit projects Part M does not apply unless the building is classed as change of use.

TECHNICAL DATA

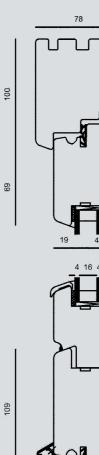
PERFORMANCE

78 mm profile Our best-selling high performance range U_D: as low as 0.95 W/m²K

Glazing & U values

Single fully glazed door Whole door U_D: 0.95 W/m²K Redwood 1.1 W/m²K Oak Glazing U value: Ug: 0.58 W/m²K Triple unit: Argon fill 44 mm Light transmission value: 74.1% Single fully panelled door Whole door U_D: 1.1 W/m²K Redwood 1.3 W/m²K Oak

CAD section



19

78

129



ENTRANCE DOORS



ULTRA 98 mm profile

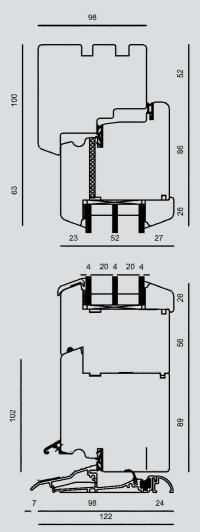
For Passivhaus and higher specification projects U_D: as low as 0.56 W/m²K

Glazing & U values

Single fully glazed door

Whole door U_D: 0.79 W/m²K Redwood 0.89 W/m²K Oak Glazing U value: Ug: 0.52 W/m²K ULTRA Triple unit: Argon fill 52 mm Light transmission value: 74.1% Single fully panelled door Whole door U_D: 0.56 W/m²K Redwood (VIP panel) 0.67 W/m²K Oak (VIP panel)

CAD section



OTHER DOOR TYPES

OPTIONS COLOURS/HARDWARE



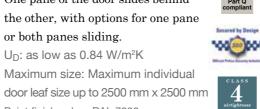
LIFT + SLIDE

Green Building Store offers one of the most **energy** efficient lift & slide doors available in the UK. with high thermal and

airtightness performance.

Paint finish colour RAL 7022

One pane of the door slides behind the other, with options for one pane or both panes sliding. U_D: as low as 0.84 W/m²K Maximum size: Maximum individual





FRENCH DOORS

Inward or outward opening double doors. $U_D\!\!:$ as low as 0.84 W/m²K Maximum size: 2400 mm x 2400mm Paint finish colour RAL 7015



FSC www.fsc.org FSC comezo The mark of responsible forwards

BI-FOLD or FOLD ASIDE

Doors that open with a concertina effect which can open the whole span of the opening. We also supply Lacuna bi-fold doors which meet Part Q requirements. U_D: as low as 0.9 W/m²K Maximum size: 6000 mm x 2400 mm 850 mm max sash width Paint finish colour available on request

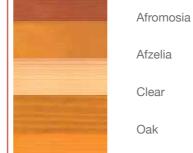












Accoya drip rail





Pine

satin white





window hardware

Standard RAL colours

Ral colour palette

Oak

Clear

Oak

Teak

Walnut

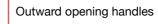
Redwood

Light Oak

Other colour options also available

frame finishes

Timber stains





polished gold



satin white chrome

Inward opening handles

polished chrome

gold



chrome







polished chrome

smokey chrome



black



polished



chrome

black



Traditional handles Monkey Tail: antique black

door hardware

Door handles



polished gold



smokey chrome



black



silver F1



polished chrome



white



gold F3

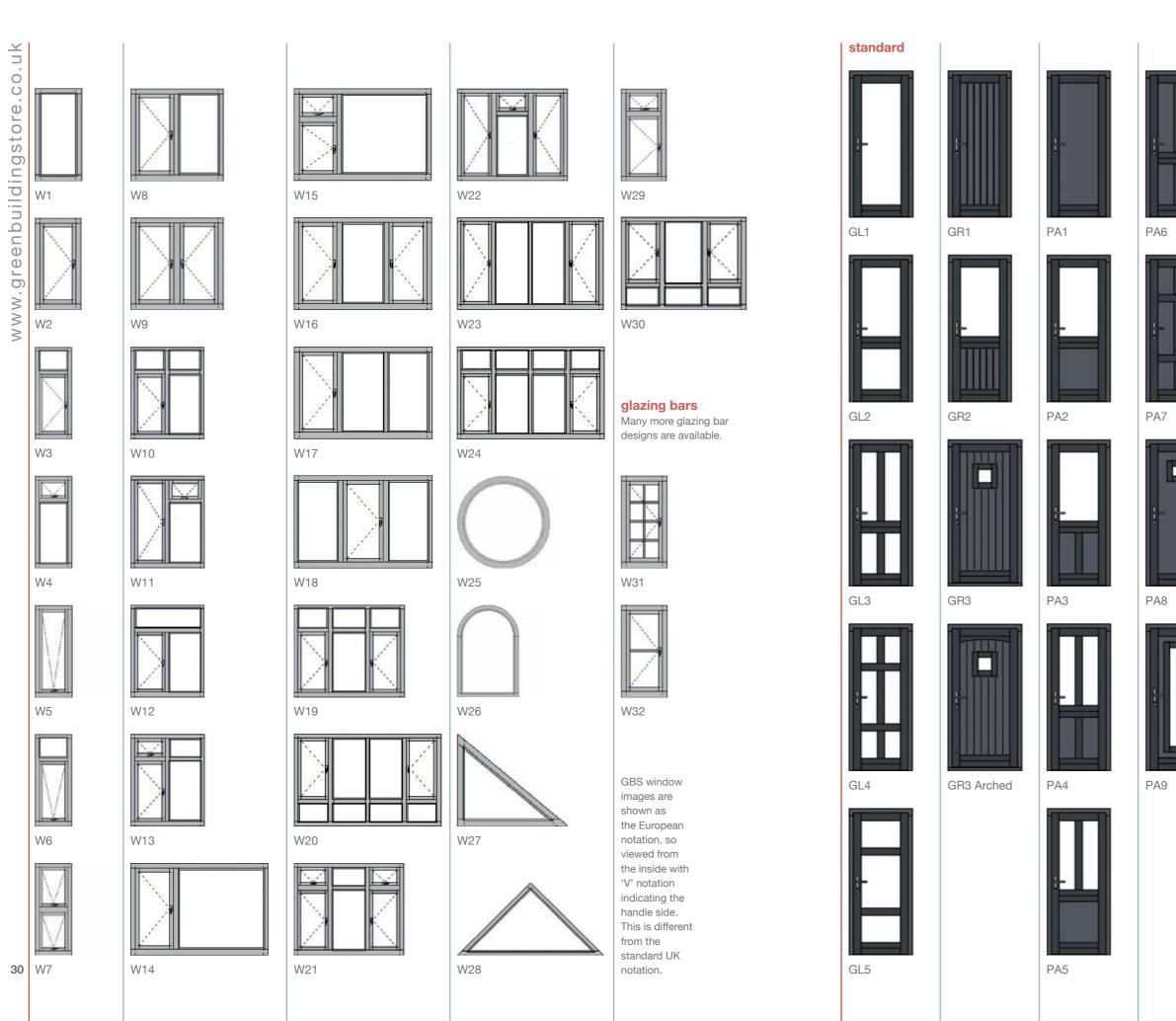


Traditional handles Balmoral Swan: antique black

For more colour and hardware options, go to www.greenbuildingstore.co.uk greenbuildingstore.co.uk W W W.

OPTIONS WINDOW STYLES

OPTIONS DOOR STYLES











contemporary







BL2



BL3





BL5

french doors



DD1



DD2



DD3



DD4



DD5

OPTIONS

GLAZING



Solar control glazing to reduce the risk of over-heating









Kathedral



Puntaedo



Acoustic glazing to

external environment

reduce sound levels from



Screen

Crepi

Kura



Toughened or laminated safety glass to meet building regulation safety requirements



Self-cleaning glass ideal for large facades where cleaning is difficult



Flutes Matt



Niagra



Waterdrop





Whether you need to discuss your quotation or finalise details of your order we are here to make your window and door specification smooth and hassle-free. Tel: 01484 463336 info@greenbuildingstore.co.uk

SILLS

Extension sills protect and maintain windows by directing water away from the window frame

connect to a stone sill. Available

Aluminium extension sills

into highly insulated walls





for windows & doors, available





Integrated child restrictor

TRICKLE VENTS



Luke Symms Estimator

Administrator



Mastercarre









Timber sills

in oak or Accoya

SAFETY

32 Conventional trickle vent

Flutes

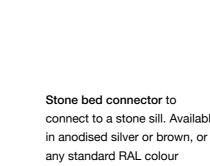




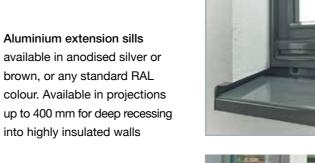












SECURITY

What is Part Q?

Approved Document Q (Part Q) of the Building Regulations for England became mandatory for all new dwellings on 1 October 2016. This means that windows and doors in new dwellings, where Part Q is applicable, will need to be security tested to PAS 24, or equivalent standard.

Where does it apply?

Part Q is only applicable in England. It does not currently apply in Wales except on 'excepted energy buildings', although this is under consideration by the Welsh Assembly. It does not apply in Scotland which has separate requirements for security covered by Building Standard 4.13. It does not apply in Northern Ireland. In England it applies only to new dwellings, which includes existing buildings with material change of use to new dwelling. It applies only to 'easily accessible doors and windows'.

What does 'easily accessible' include?

Either a window or doorway, any part of which is within 2 m vertically of an accessible level surface such as the ground or basement level, or an access balcony, or a window within 2 m vertically of a flat or sloping roof (with a pitch of less than 30°) that is within 3.5 m of ground level.

Secured by Design

Secured by Design (SBD) is a police initiative to increase building security. Windows and doors must be tested, have third party quality assurance and be registered. An SBD certified unit also provides compliance for Part Q.

Green Building Store ranges

Windows and doors in the brochure marked SBD or Part Q have a compliant option available, which should be specified where necessary. Please enquire where not marked in the brochure.

This information is given as general guidance only and is not a definitive guide to thse regulation. For full information please consult Approved Document Q of the Building Regulations which is free to download. Please consult us for more information.

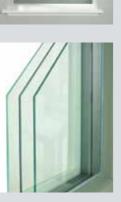




WARRANTIES*



Frames: 10 years



Glazing: 10 years



Hardware: up to 10 years

Finishes: Paint: 10 years Stains: 6 years Clear: 3 years



*Subject to conditions & exclusions

Please note: we reserve the right to make changes to design and specifications of all products at any time without notice.



Emma Platt

Aftersales Manager

AFTERSALES

Freen Building Store offers a on-the-road aftercare team. Tel: 01484 463336 info@greenbuildingstore.co.uk

Timber

- co.uk Green Building Store windows
- and doors are made from FSC®
- certified redwood or fair-faced oak, Ð laminated and finger jointed
- uildingstor
 - to EN 204 D4.

Construction

- Door sashes comb-jointed
- Frames mortice and tenon jointed in compliance with BS EN 942

TECHNICAL SUMMARY

- Adhesive modified PVA, D4 grade
- D Finishes

enb

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N M Low maintenance microporous water-based finishes

Design

- Accoya drip rail to enhance durability and reduce maintenance
- Dual weather seals
- Extension sill groove option
- Window board groove option
- Internal beading, allows reglazing from inside and enhances security

Glazing

- Factory glazing
- Warm edge spacer to minimise heat lost and condensation at the edge of the unit

Fitting service



FSC

FSC* C008220

The mark of esponsible forestry

The correct installation of windows and doors is essential to ensure their optimal performance. We recommend Green Building Store's own in-house FENSA-accredited fitting service, which is available for most areas of the UK.

MEMBERS OF:





U value, redwood (whole window/ door)	U value, oak (whole window/door)	U _w value, redwood + insulated fram (whole window door) – ULTRA only	Secured By Design option	air permeability BS EN 12207: Achieved 600 Pa Class 4	water tightness BS EN 12208	wind load BS EN 12210	exposure category BS 6375-1
0.85	0.93	n/a	4	~	750 Pa Class E750	2400 Pa Class E2400	2400
0.85	0.93	n/a	4	~	900 Pa Class E900	2400 Pa Class E2400	2400
0.85	0.94	n/a	4	~	600 Pa Class 9A	2400 Pa Class E2400	2400
0.95	1.1	n/a	4	~	200 Pa Class 5A	1200 Pa Class C3	1200
1.0	1.1	n/a	4	~	50 Pa Class A2	1600 Pa Class C4	800X
0.75	0.83	0.68	V	~	1500 Pa Class E1500	1600 Pa Class C4	1600
0.75	0.83	0.68	4	~	600 Pa Class 9A	2400 Pa Class CE2400	2400
0.75	0.83	0.68	V	~	600 Pa Class 9A	2400 Pa Class CE2400	2400
0.79	0.89	n/a	V	~	200 Pa Class 5A	1200 Pa Class C3	1200
0.84	0.98	n/a	4	~	50 Pa Class A2	1600 Pa Class C4	800X
	0.85 0.85 0.85 0.95 1.0 1.0 0.75 0.75 0.75	0.85 0.93 0.85 0.93 0.85 0.93 0.85 0.94 0.95 1.1 1.0 1.1 0.75 0.83 0.75 0.83 0.75 0.83 0.75 0.83 0.75 0.83	0.85 0.93 n/a 0.85 0.93 n/a 0.85 0.93 n/a 0.85 0.94 n/a 0.95 1.1 n/a 1.0 1.1 n/a 0.75 0.83 0.68 0.75 0.83 0.68 0.75 0.83 0.68 0.75 0.83 0.68 0.75 0.83 0.68	$1 \\ 0.85$ 0.93 n/a \checkmark 0.85 0.93 n/a \checkmark 0.85 0.93 n/a \checkmark 0.85 0.94 n/a \checkmark 0.95 1.1 n/a \checkmark 1.0 1.1 n/a \checkmark 0.75 0.83 0.68 \checkmark 0.75 0.83 0.68 \checkmark 0.75 0.83 0.68 \checkmark 0.75 0.83 0.68 \checkmark	0.85 0.93 n/a I I 0.85 0.94 n/a I I 0.95 1.1 n/a I I 1.0 1.1 n/a I I 0.75 0.83 0.68 I I 0.75 0.89 n/a I I	0.85 0.93 n/a I	No. No.

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. Tel: 01484 463336 *See Terms & Conditions: www.greenbuildingstore.co.uk/free-product-technical-support/





MAKING BUILDINGS BETTER



GET IN TOUCH



call our WINDOW department direct on

01484 463336

We pride ourselves on our personal, friendly and non-pushy customer service. Call **Paul Cowley** for advice on the most suitable range for your project, to organise a quotation or to set up a showroom visit. **Tel: 01484 463336**

Email: info@greenbuildingstore.co.uk

Also from Green Building Store:

MVHR VENTILATION HEAT RECOVERY

The best MVHR system...

... is the one you don't know is there

A well-designed MVHR system:

- Optimises the efficiency of the heat recovery
- Prevents noise, mechanical vibration and air turbulence problems
- · Maximises energy efficiency of the MVHR unit

Mechanical ventilation with heat recovery (MVHR) ensures high air quality whilst conserving energy in buildings by recovering heat from extracted air and transfering it to the incoming air. Green Building Store is widely recognised as one of the leading technical experts in the UK on MVHR systems for Passivhaus and low energy projects.



Heath House Mill, Heath House Lane, Golcar, Huddersfield HD7 4JW telephone 01484 461705 • fax 01484 653765 email info@greenbuildingstore.co.uk • web www.greenbuildingstore.co.uk

A trading division of Environmental Construction Products Ltd

products. **Discounts are** available when you buy our windows and doors!

C E

with our specialist

Insulation & airtightness

doors work at their optimum

insulation and airtightness

Make your windows and