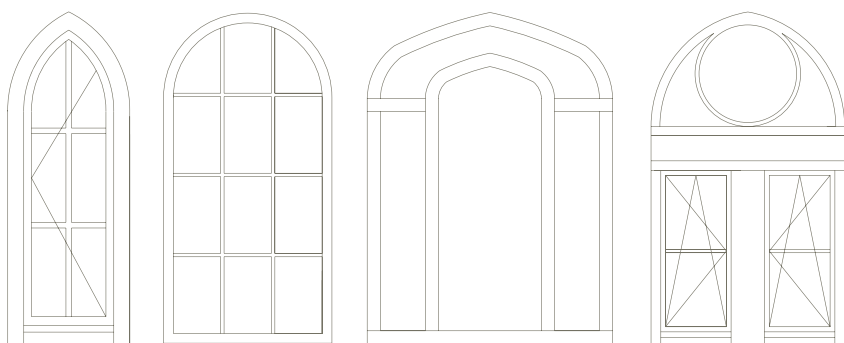


Innovation



Double glazing
Triple glazing
Low Energy windows
Passive windows



Wood windows

Double & Triple glazing



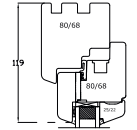
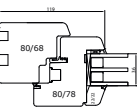
- Wood treated to the highest standards, this process enhances the beauty of the wood's natural colour and provides long lasting weather protection. (Available in a selection of stains and RAL colours).
- 24 mm to 40 mm (15/16" to 1 7/32") double or triple glazed sealed units with choice of toughened, laminated and Low E value to give the best combination of noise reduction, thermal efficiency and safety.
- Finger jointed laminated wood section 68 or 78 mm (2 43/64" to 3 1/6") Choice of FSC Pine, FSC Eucalyptus Grandis (Hardwood), French Oak and Larch
- Round edge for better lasur finish



- All-round weather seal ensures a tightness against air and water
- Water repellent bar available in various types and colours. In Aluminium: Champagne, Bronze or White ; also available in wood.



Technical Values

Double glazed windows		<p>Range : Euro 68 and Euro Doucine Timber section : 80/68-80/68 Low E argon filled 4-16-4</p> <p>$U_g = 1,1 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,20 \text{ Btu/ft}^2\text{/h}$</p>	<p>$U_w = 1,4 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,27 \text{ Btu/ft}^2\text{/h}$ Tested on 1 Pane W 1480x H 1450 Pine FSC</p>
Triple glazed windows		<p>Range Euro 78 double or triple glazed Timber section : 80/68-80/78 Low E Bi plus 3CS/36</p> <p>$U_g = 0,5 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,09 \text{ Btu/ft}^2\text{/h}$</p>	<p>$U_w = 0,9 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,16 \text{ Btu/ft}^2\text{/h}$ Tested on 1 Pane W1480xH1450 Pine FSC</p>

At Bieber, all our windows open inward with the Tilt option. The tilt & turn operation combines functionality with security, and has numerous advantages including ease of cleaning, ventilation, single handed operation and easy fire egress. Bieber's tilt & turn window is securely locked when the handle is in the downward vertical position, and when the handle is turned to the horizontal position the sash can be swung open into the room (up to 180 degrees), and when the handle is turned to the upward position the sash can be tilted inwards at the top (approx 15 to 20 degrees).

All our windows and doors are covered by a 10 year guarantee for the timber, and for 2 years for the glass and hardware.



Alu-clad windows, Bronze-clad windows Double & Triple glazing



Double glazed windows
Bi-alu softline

Technical Values

Double glazed windows Bi-alu 3 Softline		Timber section : 70/68-81/68 Low E argon filled 4-16-4 $U_g = 1,1 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,20 \text{ Btu/ft}^2\text{/h}$	$U_w = 1,5 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,263 \text{ Btu/ft}^2\text{/h}$ Tested on 1 Pane W 1480 x H 1230 Pine FSC
Double glazed windows Bi-alu 2 Sharpline Bronze clad		Timber section 70/68-81/68 Low E argon filled 4-16-4 $U_g = 1,1 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,20 \text{ Btu/ft}^2\text{/h}$	$U_w = 1,5 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,263 \text{ Btu/ft}^2\text{/h}$ Tested on 1 Pane W 1480 x H 1230 Pine FSC
Triple glazed windows Bi-alu Softline Sharpline Bronze clad		Timber section 70/68-81/68 Low E Bi plus 3CS/36 argon filled 4-12-4-12-4 $U_g = 0,5 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,09 \text{ Btu/ft}^2\text{/h}$	$U_w = 0,9 \text{ W/m}^2\text{K}$ $U\text{-Value} = 0,16 \text{ Btu/ft}^2\text{/h}$ Tested on 1 Pane W1300 x H 2200 Pine FSC



Double glazed windows
Bronze-clad Ramato

Wide selection of wood
stains or RAL colours

Option : ITS inset in stainless steel
decreases the "edge effect", thermal break and
peripheral condensation

External aluminium profile - Wide
selection of RAL colours available and more

24 mm to 40 mm (15/16" to 1 7/32")
double or triple glazed sealed units with
choices of toughened or laminated
glass with Low E proven to give the best
combination of noise insulation, thermal
efficiency and safety

Rebate joint for
water tightness

Prior to assembly all timber is treated
with coats of Microporous sealant

Finger Jointed - Laminated wood section
68 or 78mm (2 43/64" to 3 1/8")
Choice of FSC Pine, FSC Eucalyptus
Grandis (Hardwood), French Oak and
Larch

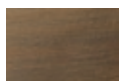
EPDM-strip fitted into groove
between wooden frame and
aluminium/weather/draught
proof seal

Alu frame clipped (EPDM gasket)
onto the wood

Aluminium skin is clipped on EPDM gasket onto the
wooden profile allowing a 5mm (3/16") gap
to prevent formation of condensation



Triple glazed windows
Bi-alu sharpline



Bronze-clad Brown



Bronze-clad Macc



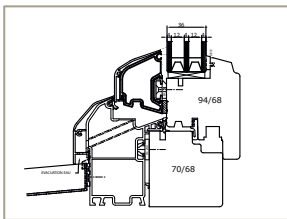
Passive windows

Developed in Germany, the concept of Passive House (Passivhaus in German) refers to the rigorous Passivhaus standard for use in buildings.

The new European Standard EN 10077 requires that the thermal loss coefficient U_w of such Passive windows are lower than $0.8 \text{ W}/(\text{m}^2\text{K})$.

To meet the requirements of the Passivhaus standard U-Value: $0,141 \text{ Btu}/\text{ft}^2/\text{h}$, these windows normally combine triple pane insulated glazing and specially developed thermally broken window frames, which provides excellent thermal comfort even near the window. The 17°C (62.8°F) condition for the minimum internal surface temperature of windows in a Passive House is the defining requirement for these windows for all climate conditions. The Bieber Passive Window achieves $U_w=0.76 \text{ W}/\text{m}^2\text{K}$, U-Value: $0,133 \text{ Btu}/\text{ft}^2/\text{h}$, as declared on the test certificate.

Technical Values



Timber section : 49/83-81/68
Triple glazing : 4/12Krypton/4iplus
E/12Krypton/4iplusE
 $U_g = 0,7 \text{ W}/\text{m}^2\text{K}$
U-Value= $0,125 \text{ Btu}/\text{ft}^2/\text{h}$

$U_w = 0,76 \text{ W}/\text{m}^2\text{K}$
U-Value= $0,139 \text{ Btu}/\text{ft}^2/\text{h}$
Tested on 1 Pane
W1480 x H 1230
Pine FSC
This window has been certified by
the Passivhaus Institut Darmstadt
Germany.



Sliding doors



We offer choice and flexibility: Folding-sliding doors, Lift-slide doors and Lift-tilt slide doors all available in a range of timber or in alu-clad timber. Please enquire for more details.



Entrance doors



*Owners' own stained glass

All our entrance doors are bespoke, and we can undertake restoration projects by inserting original stain glass in a replica door as seen on this photo*.

Traditional or Modern in look, the custom made Bieber timber door has a minimum timber section of 68mm, and a 5 point locking cylinder.

The Bieber entrance door is made to last and to give our customers long lasting security and eye pleasing satisfaction.



BIEBER
CUSTOM MADE DOORS AND WINDOWS

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