

# LIGNUM

superior timber  
windows & doors



# Bifolding Doors

Lignum timber Bi-folding doors offer a contemporary design that suits any property style. A popular choice for opening rooms for entertaining in the summer, the flush doors can also be paired with contemporary glazing bars and panels. The hardware is ideal for house remodelling projects or new builds.

Externally, the doors open outwards allowing for more space internally.

Strong Door rails to provide a larger glass area for maximum light. The door system is internally beaded to enhance security, certified to PAS 24:2022. The Lignum Bi-folding doors for energy efficiency and has a U-Value of 1.4 W/m<sup>2</sup>K with a warm edge Low-E argon filled double-glazed unit. U-Values of 1.0 W/m<sup>2</sup>K or lower values can be achieved with triple glazing.



**accoya**   
Passed PAS 24:2022



PAS 24:2022  
Security



1.4W/m<sup>2</sup>K  
U-Value



Document L  
Compliant



Document M  
Compliant



BS6375-1 Tested to  
2015+A1:2016



Accoya Passed PAS  
24:2022 Class D



Double or Triple  
Glazing

## Specification

<b>Outer Frame Options</b>	Head with track: 112mm x 151mm Jambs: 68mm x 150mm Aluminium + Timber Cill: 56mm x 212mm Timber cill: 68mm x 151mm
<b>Sash</b>	Top Rail & Stiles: 94mm x 57mm (PAS24:2022) Bottom Rail: 185mm x 57mm (PAS24:2022)
<b>Sash Profile</b>	Ovolo or Lambs Tongue
<b>Cill Extension Options</b>	Timber only Flush, 35mm, 60mm, 85mm, longer on request
<b>Glazing</b>	24mm Low E sealed unit (4mm/16mm/4mm) warm edge spacer, obscure, sound control, toughened & laminated options available. Ar- gon filled cavity. Outer perimeter has standard warm edge spacer, colour black, optional white Security bead glazing system  Additional glazing units 12mm & 14mm options - not PAS 24 tested  Curved glass and units with less than 14mm cavity will have aluminium spacer in place of warm edge spacer.
<b>Trickle Vent</b>	Concealed trickle vents through head 4600EA

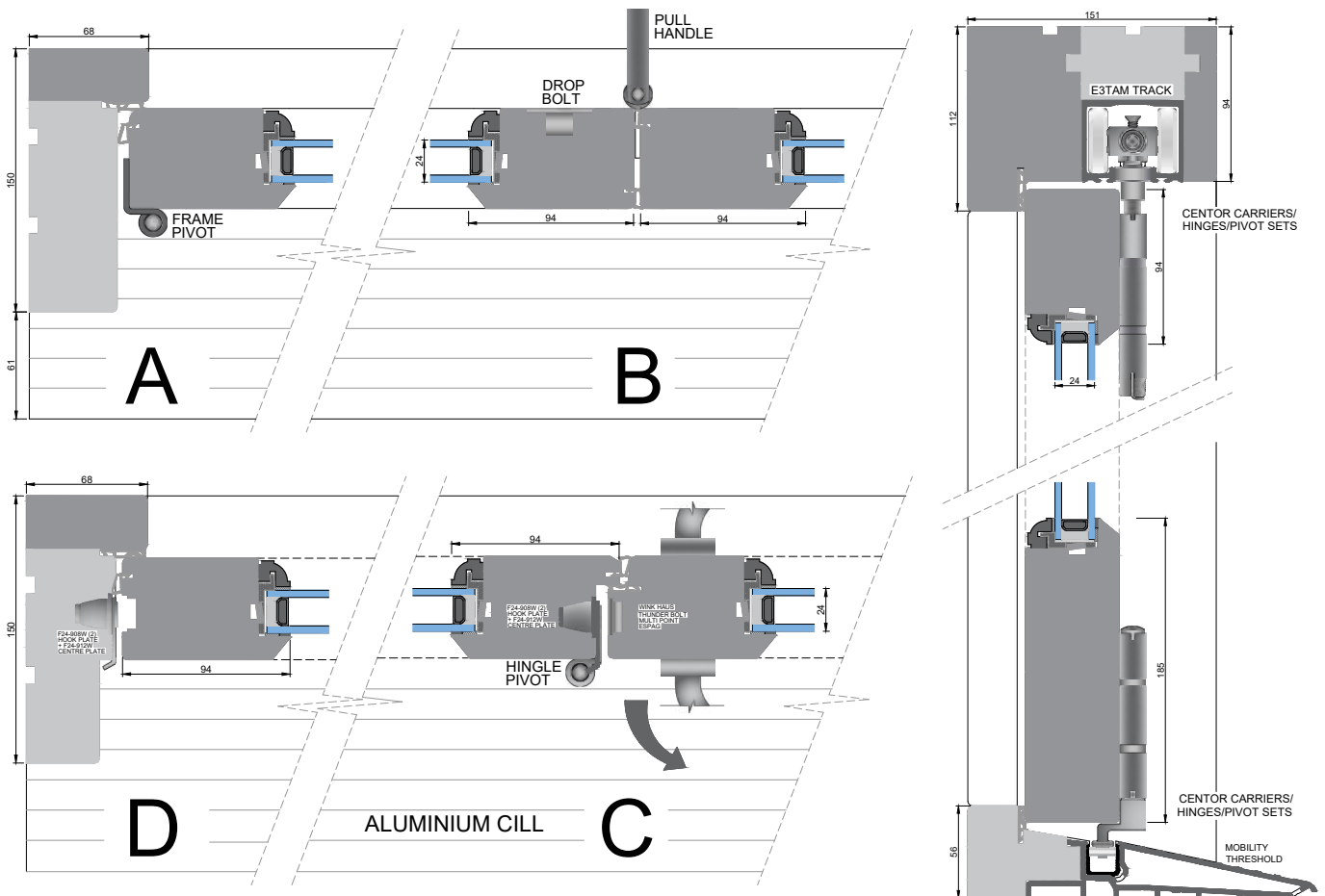
## Hardware/Fittings

<b>Hardware</b>	Top supporting track system opening out doors. Drop bolts for security or concealed locking options.
<b>Handles</b>	Polished Chrome, Satin Chrome, Black,
<b>Trickle Vent</b>	Can be fitted through top rail on most Designs.
<b>Test Data</b>	
<b>BS6375 Part 1</b>	Air Permeability Class 4 Watertightness Class 4 Resistance to Wind Load Class C5
<b>Acoustic Rating</b>	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
<b>Thermal Rating</b>	1.3 W/m <sup>2</sup> K (with double glazing)
<b>Security</b>	PAS 24:2022 Class D Timber density of 450 to 530 softwood Secured by Design System



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# Bifolding Doors



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## Design Features

- Secured by Design System
- Tested to PAS 24:2022
- Winkhaus Thunderbolt Multipoint Locking
- Internally Beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window & door system

## Design Options

- Lambs Tongue or Ovolo sash profile
- 57mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option



The Joinery Network is authorised as a system house by Secured by Design

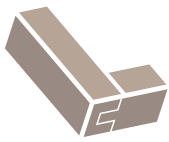


## Backing Timber Window & Door Manufacturers

The Joinery Network, 2 Jubilee Parkway, Jubilee Business Park, Derby, DE21 4BJ

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The Joinery Network



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# Double Door (Open Out)

Lignum timber double doors are the classic French doorset, available as either outward or inward opening.

The double doors are energy efficient and PAS 24:2022 certified for high security.

This outward opening version offers flexible design options for traditional, contemporary or modern styling.

The system is also part of a registered Secured by Design scheme.

The doors are suitable for a range of threshold options including mobility access.



**accoya**   
Passed PAS 24:2022



PAS 24:2022 (2024) Security



0.9 - 1.4 W/m<sup>2</sup>K U-Value



Document L Compliant



Document M Compliant



Document Q Compliant



BS6375-1, 2 & 3



Accoya Passed PAS Double, Triple or 24:2022 Class D Vacuum Glazing



## Specification

<b>Outer Frame Options</b>	Head & Jambs: 57mm x 93mm Head & Jambs: 68mm x 93mm Head & Jambs: 90mm x 93mm Cill: 68mm/90mm x 93mm (Standard) Transom & Mullion: 68mm x 93mm
<b>Sash</b>	Top Rail and Stiles: 94mm x 57mm (PAS 24:2022) Bottom Rail: 185mm x 57mm Meeting Rails: 18mm x 5mm
<b>Sash Profile</b>	Ovolo or Lambs Tongue
<b>Cill Extension Options</b>	Standard, 35mm, 60mm or 85mm
<b>Glazing</b>	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available. Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system  Additional glazing units include 12mm and 14mm options - not PAS 24 tested  Curved glass and units with less than 14mm cavity will have aluminium spacer in place of warm edge spacer
<b>Trickle Vent</b>	Concealed trickle vent through head 4600EA

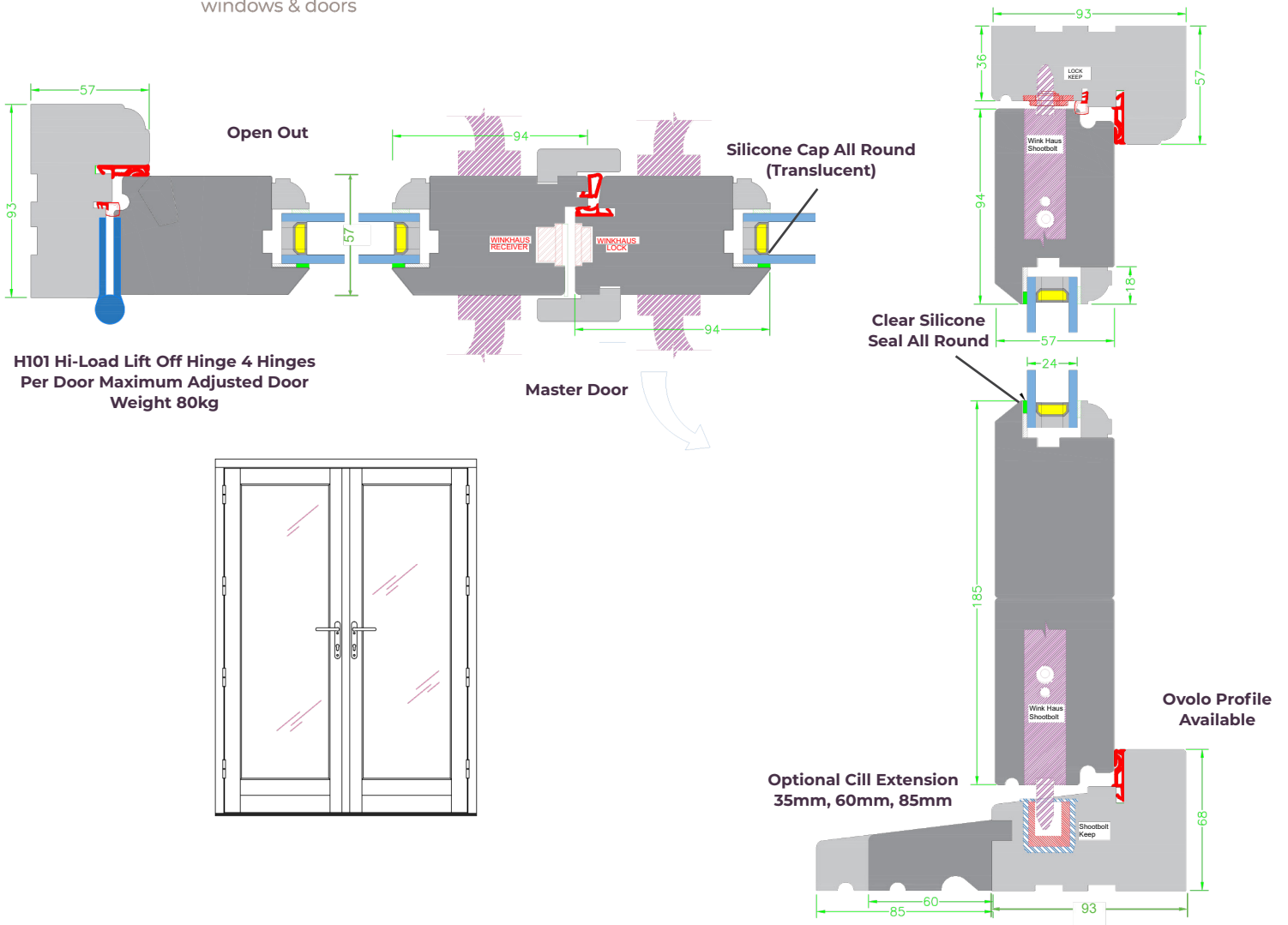
## Hardware/Fittings

<b>Hardware</b>	Butt hinges fixed pin, multipoint Thunderbolt locking system 3 star security cylinder
<b>Handles</b>	Lever handles, finishes on request
<b>Trickle Vent</b>	Can be fitted through frame head (Head Drip)
<b>Test Data</b>	
<b>BS6375 Part 1</b>	Air Permeability Class 4 Watertightness Class 5A Wind Resistance Class 3A
<b>BS6375 Part 2</b>	Operational strength testing - 30,000 cycles windows - Passed
<b>BS6375 Part 3</b>	3 Additional performance characteristics - Passed
<b>Acoustic Rating</b>	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
<b>Thermal Rating</b>	U-Value 1.4W/m <sup>2</sup> K Double Glazed
<b>Security</b>	PAS 24:2022 Class D Timber density of 450 to 530 softwood Secured by Design System



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# Double Door (Open Out)



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## Design Features

- Secured by Design System
- Tested to PAS 24:2022 (2024)
- Winkhaus Thunderbolt Multipoint Locking
- Internally Beaded for easy installation
- Deventer superior double weatherseals
- Hi load butt hinges
- Thermally enhanced door panels
- Fully suited window & door system

## Design Options

- Lambs Tongue or Ovolo sash profile
- 57mm or 68mm wide outerframe
- Slim outerframe and sash options
- Heritage slim-glass unit bead option



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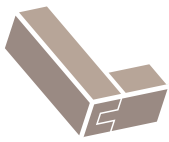


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The Joinery Network



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# Double Door (Open In)

Lignum timber double doors are the classic French doorset, available as either outward or inward opening.

This inward opening version offers flexible design options for traditional, contemporary or modern styling.

The doors are suitable for a range of threshold options, including mobility access.

The double doors are energy efficient and PAS 24:2022 certified for high security.

The system is also part of a registered Secured by Design scheme.



**accoya**   
Passed PAS 24:2022



PAS 24:2022  
Security



0.9 - 1.4 W/m<sup>2</sup>K  
U-Value



Document L  
Compliant



Document M  
Compliant



Document Q  
Compliant



BS6375-1,  
2 & 3



Accoya Passed PAS  
24:2022 Class D



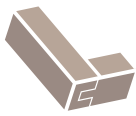
Double, Triple or  
Vacuum Glazing

## Specification

<b>Outer Frame Options</b>	Head & Jambs: 57mm x 93mm Head & Jambs: 68mm x 93mm Head & Jambs: 90mm x 93mm Cill: 68mm/90mm x 93mm (Standard) Transom & Mullion: 68mm x 93mm
<b>Sash</b>	Top Rail and Stiles: 94mm x 57mm (PAS 24:2022) Bottom Rail: 185mm x 57mm Meeting Rails: 18mm x 5mm
<b>Sash Profile</b>	Ovolo or Lambs Tongue
<b>Cill Extension Options</b>	Standard, 60mm or 85mm
<b>Glazing</b>	24mm Low E sealed unit (4mm/16mm/4mm) Obscure, sound control, toughened and laminated options available Argon filled cavity Outer perimeter has standard warm edge spacer (black) optional white Security bead glazing system  Additional glazing units include 12mm and 14mm options - not PAS 24 tested  Curved glass and units with less than 14mm cavity will have aluminium spacer in place of warm edge spacer
<b>Trickle Vent</b>	Concealed trickle vent through head 4600EA

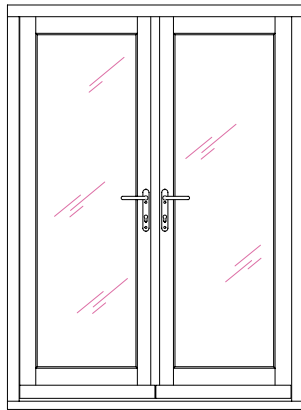
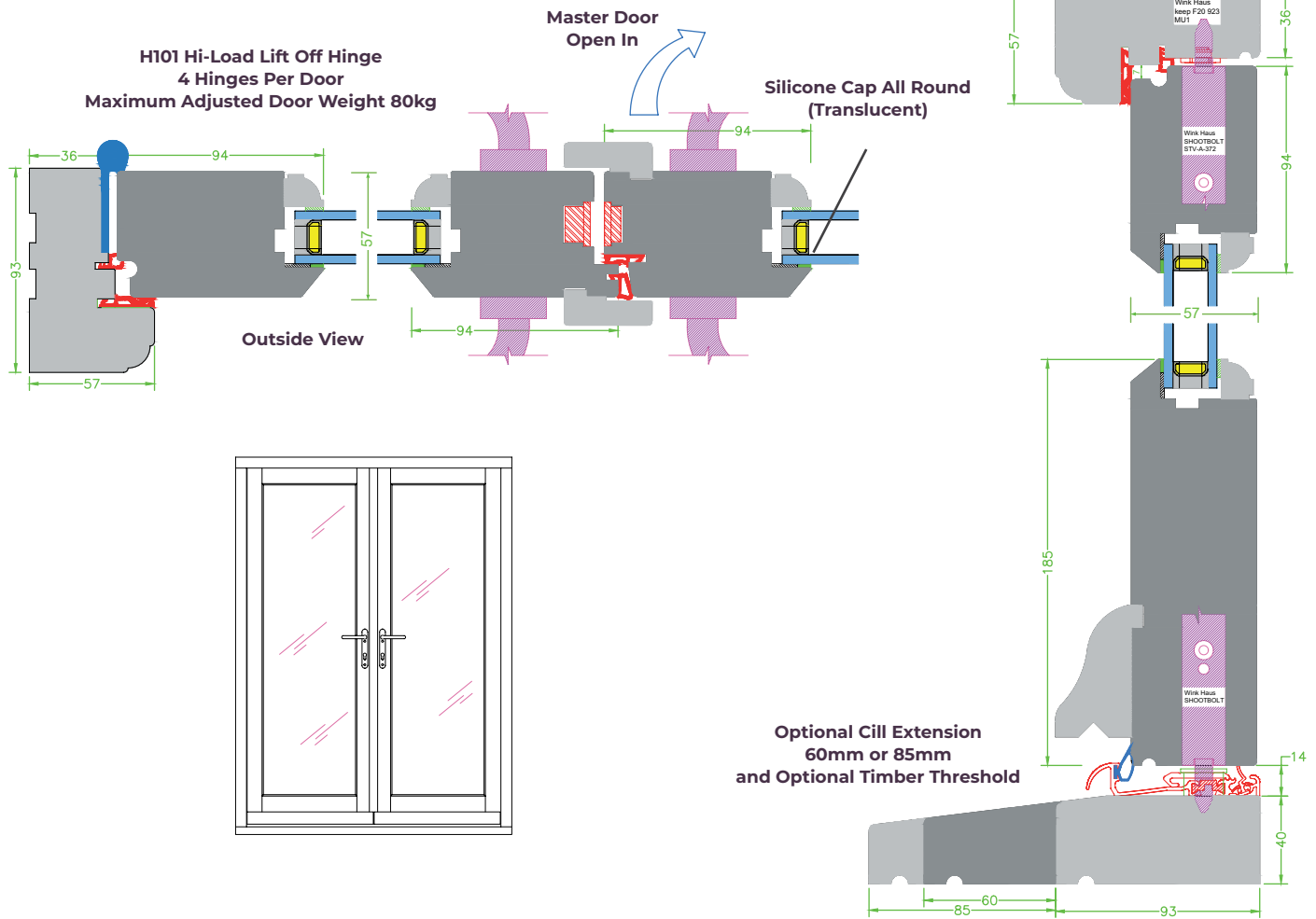
## Hardware/Fittings

<b>Hardware</b>	Butt hinges fixed pin, multipoint Thunderbolt locking system 3 star security cylinder
<b>Handles</b>	Lever handles, finishes on request
<b>Trickle Vent</b>	Can be fitted through frame head (Head Drip)
<b>Test Data</b>	
<b>BS6375 Part 1</b>	Air Permeability Class 2 Watertightness Class 3A Resistance to Wind Load Class 800X
<b>BS6375 Part 2</b>	Operational strength testing - 30,000 cycles windows - Passed
<b>BS6375 Part 3</b>	3 Additional performance characteristics - Passed
<b>Acoustic Rating</b>	RW(C,Ctr) = 36 (-2,6) db (With Sound Control Glass)
<b>Thermal Rating</b>	U-Value 1.4W/m <sup>2</sup> K Double Glazed
<b>Security</b>	PAS 24:2022 Class D Timber density of 450 to 530 softwood Secured by Design System



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