LIGNUM
Timber Windows & Doors
Created by The Joinery Network

Spittlywood LTD
Purpose Made Joinery Manufacturers

Flush Casement Window

Lignum timber flush sash casement windows offer a classic design that suits any property style. A popular choice for replacing traditional windows, the flush sash frame can also be paired with contemporary glazing bars and hardware for house remodeling projects or new builds.

Externally, the outerframe and sash are flush and feature slim sightlines to provide a larger glass area. The window system is internally beaded to enhance security, is certified to PAS 24:2016 and has achieved Secured by Design accreditation.

The Lignum Flush Casement Window is A rated for energy efficiency and has a U-Value of 1.3 W/m2K with a warm edge Low-E argon filled double-glazed unit. U-Values of 1.0 W/m2K or below can be achieved with triple-glazing.

- PAS 24:2016 Security
- Secured by Design System
- Document Q Compliant
- Document L Compliant
- Document M Compliant
- BS6375-1 2009 Weather Tightnesss
- Double or Triple Glazing

Specification

Frame Options	95mm x 57mm Head & Jambs, 68mm x 57mm Cill 93mm x 68mm & 93 x 90mm 93mm x 68mm Transom & Mullion
Sash	64 x 57mm Top Rail & Stiles 67 x 57mm Bottom Rail 57 x 57mm Rail Option NON PAS24
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	Flush 35mm, 60mm, 85mm or 100mm
Glazing	24mm Low E Sealed Unit (4mm/16mm/4mm) Warm Edge Spacer, Obscure, Sound Control, Toughened & Laminated Options Available Argon Filled Cavity. Outer perimeter has Standard Warm Edge Spacer, Colour Black, Optional White, Security Bead Glazing System Additional Glazing Units 12mm & 14mm Options Curved Glass and Units with less than 14mm cavity will have Aluminium spacer in place of warm edge spacer
Trickle Vent	Concealed Trickle Vents Through Head 4600EA

Hardware/Fittings

Hardware	Friction hinges for side and top swing sashes. Multipoint locking system.
Handles	Handles Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze, Brass Finish
Trickle Vent	Can be fitted through head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 4, Watertightness Class 4 Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	1.3 W/m2K (with double glazing) WER A or A+
Security	PAS 24 and Secured by Design

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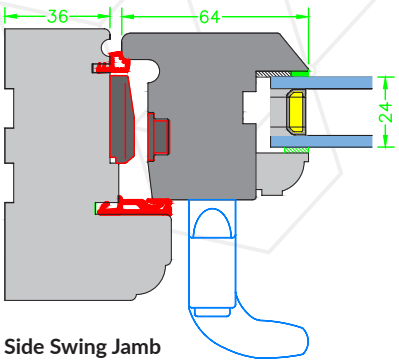
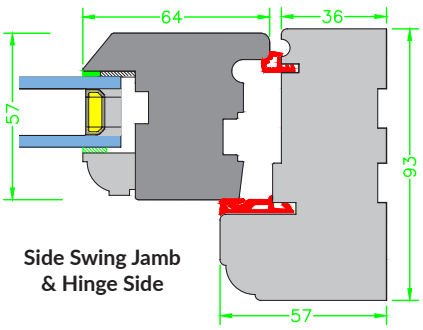
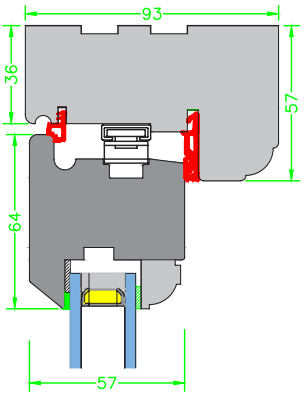
Flush Casement Windows



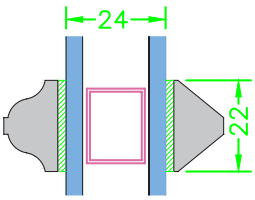
Side Swing Jamb
Lock & Keep



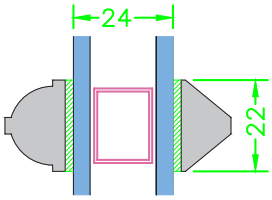
Side Swing Jamb
& Hinge Side



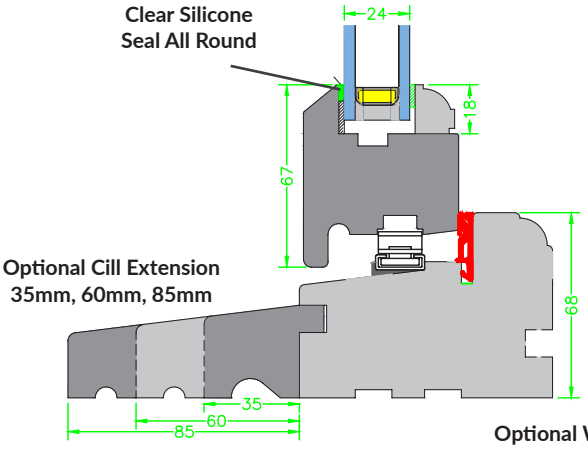
Glazing Bar Options



Lambs Tongue



Ovolo



Side Swing Cill & Hinge

Optional Window
Board Groove

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Design Features

- Secured by Design
- Tested to PAS 24:2016
- Internally Beaded for easy installation
- Deventer superior weatherseals
- Fully suited window & door system

Secured by Design
SBD
Police Preferred Specification

Design Options

- Lambs Tongue or Ovolo glazing bars
- Friction-stay or traditional hinges (subject to Document Q requirements)
- Double or triple glazed
- Heritage slim-glass unit bead option
- Slim outerframe and sash options

Backing Timber Window & Door Manufacturers
The Joinery Network, The Old Chapel, Welbeck Grove, Allestree, Derby DE22 2LS
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Box Sash Window

Traditional box sash windows are the enduring design of grand Georgian houses, Victorian villas and elegant Edwardian homes.

Lignum Sliding Sash Windows offer an authentic conservation replacement to retain the traditional features of a period property renovation.

The window provides excellent energy efficiency and security performance, making it an ideal choice for both refurbishment and new build projects.

- PAS 24:2016 Security
- 1.3W/m²K U-Value
- Secured by Design System
- Document L Compliant
- Document M Compliant
- BS6375-1 2009 Weather Tightnesss
- Double or Triple Glazing

Specification

Frame Options	102 x 164mm Head & Jambs 68 x 164mm Cill 98mm, 141mm * 198mm Mullion 28mm Transom
Sash	56 x 57mm Top Rail & Stiles 90 x 57mm Bottom Rail 43 x 57mm Meeting Rails
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	35mm Flush 60mm, 85mm or 110mm
Glazing	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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if frame are PAS 24 security
Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Trickle Vent	Can be fitted through head (Concealed)

Test Data

BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.3W/m²K
Security	PAS 24 and Secured by Design

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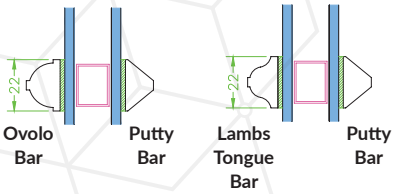
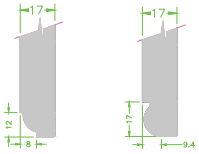
Box Sash Window

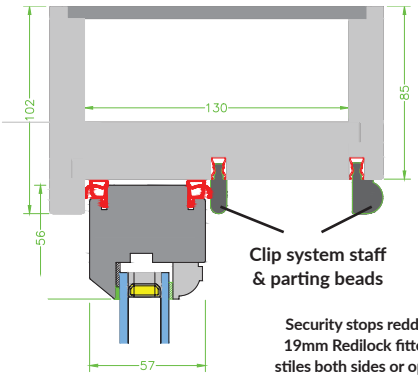


Ovolo Bar | Putty Bar | Lambs Tongue Bar | Putty Bar



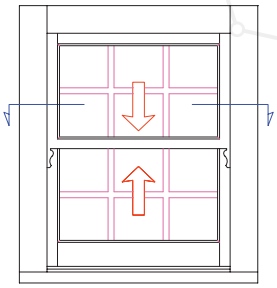
Ovolo | Beaded

External Liners can be SQUARE Profile as shown, Ovolo or Beaded

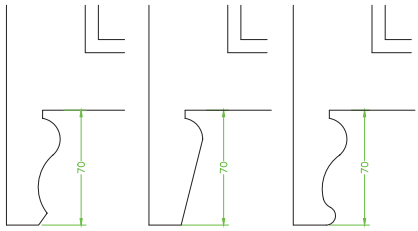


Clip system staff & parting beads

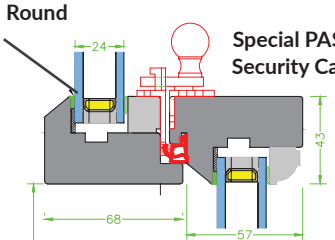
Security stops reddiseal 19mm Redilock fitted to stiles both sides or options 19mm secure stop



Section through upper sash A-A (Optional Horns)



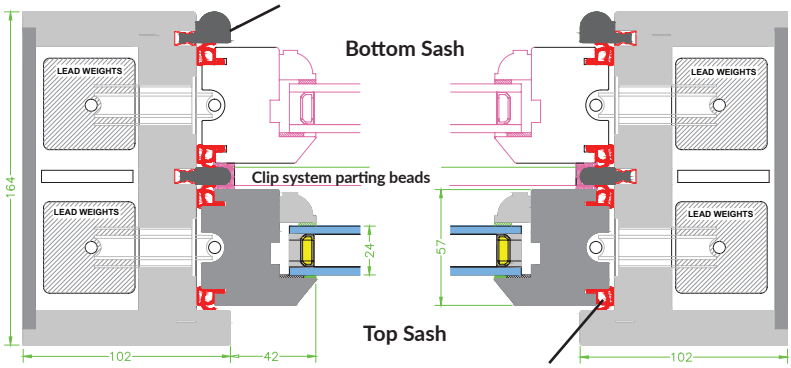
Clear Silicone Seal All Round



Special PAS24 Security Catch

Optional Horns

Clip system staff & parting beads

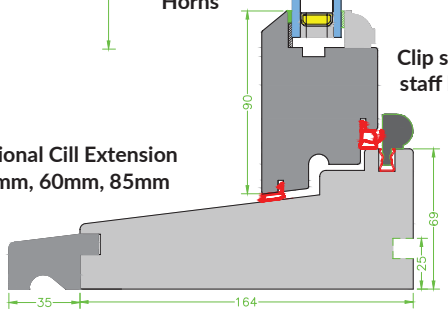


Bottom Sash

Clip system parting beads

Top Sash

Weather seal



Clip system staff beads

Optional Cill Extension 35mm, 60mm, 85mm

Optional Window Board Groove

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Design Features

- Tested to PAS 24:2016
- Choice of Square, Ovolo or Beaded External Liners
- Deventer superior weatherseals
- Special PAS 24 Security Catch
- Fully suited window & door system

Secured by Design
SBD
Police Preferred Specification

Design Options

- Lambs Tongue or Ovolo sash and glazing bars
- Choice of sash horn styles
- Heritage slim-glass unit bead option
- Slim outerframe and sash options

Backing Timber Window & Door Manufacturers
The Joinery Network, The Old Chapel, Welbeck Grove, Allestree, Derby DE22 2LS
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Single Door
(Open Out)

Lignum timber entrance doors are available to open either outward or inwards.

This outward opening version is a popular option where there is limited space to open inwards, when used for mobility access or for rear doors.

The Document Q compliant door is energy efficient and highly secure. The door design is very flexible, allowing for various glass and solid panel combinations. This makes it easy to produce almost any style of door.

For wide entrances see the Lignum Double Door option.

- PAS 24:2016 Security
- Secured by Design System
- Document Q Compliant
- Document L Compliant
- Document M Compliant
- BS6375-1 2009 Weather Tightnesss
- Double or Triple Glazing

Specification

Frame Options	93 x 57mm Head & Jambs 68 x 57mm Cill 93mm x 68mm & 93 x 90mm 93 x 68mm Transom * Mullion
Sash	94 x 57mm Top Rail & Stiles 185 x 57mm Bottom Rail 185 x 57mm Meeting Rails
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	Flush 35mm, 60mm, 85mm or 110mm
Glazing	24mm Low E Sealed Unit (4mm/16mm/4mm) Obscure, Sound Control, Toughened and Lami-nated 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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 4, Watertightness Class 6A Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m²K
Security	PAS 24 and Secured by Design

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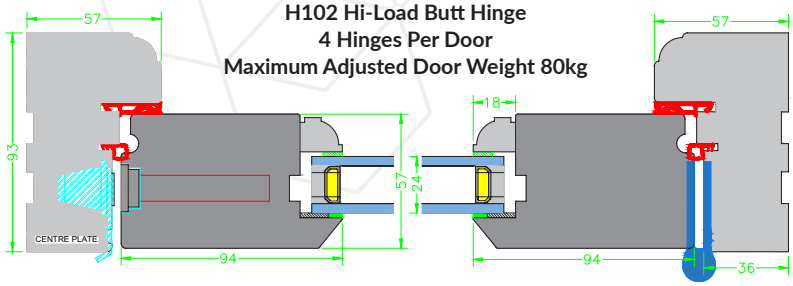
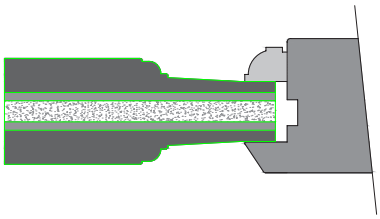
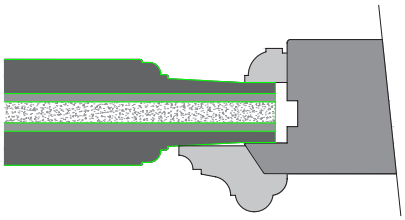
Single Door (Open Out)

Royce & Tucker
H102 Hi-Load Butt Hinge
4 Hinges Per Door
Maximum Adjusted Door Weight 80kg

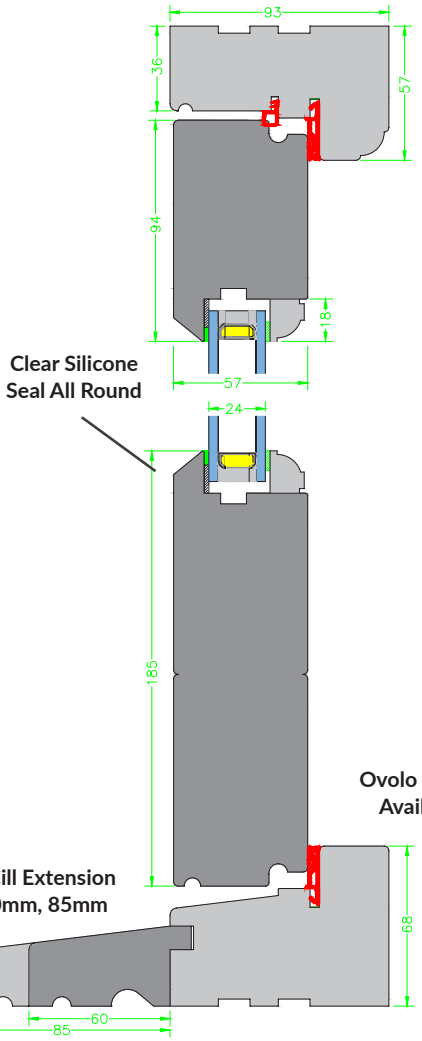




Raised and Fielded Insulated Panel For Improved Thermal Performance



Raised and Fielded Insulated Panel With Bolection Mouldings For Improved Thermal Performance



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Design Features

- Secured by Design
- Tested to PAS 24:2016
- 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

Secured by Design
SBD
Police Preferred Specification

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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Single Door
(Open In)

Lignum timber entrance doors are available to open either outward or inwards.

The Document Q compliant door is energy efficient and features high security multi-point locking.

The flexible inward opening design is suitable for main entrance, side or rear doors. It allows for various glass and solid panel combinations. This makes it easy to produce almost any style of door.

For wide entrances see the Lignum Double Door option.

PAS 24:2016 Security	Secured by Design System	Document Q Compliant	Document L Compliant	Document M Compliant	BS6375-1 2009 Weather Tightnesss	Double or Triple Glazing

Specification

Frame Options	102 x 164mm Head & Jambs 68 x 164mm Cill 98mm, 141mm * 198mm Mullion 28mm Transom
Sash	56 x 57mm Top Rail & Stiles 90 x 57mm Bottom Rail 43 x 57mm Meeting Rails
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	35mm Flush 60mm, 85mm or 110mm
Glazing	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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if frames are PAS 24 security
Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Trickle Vent	Can be fitted through head (Conceled)

Test Data

BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.3W/m²K
Security	PAS 24 and Secured by Design

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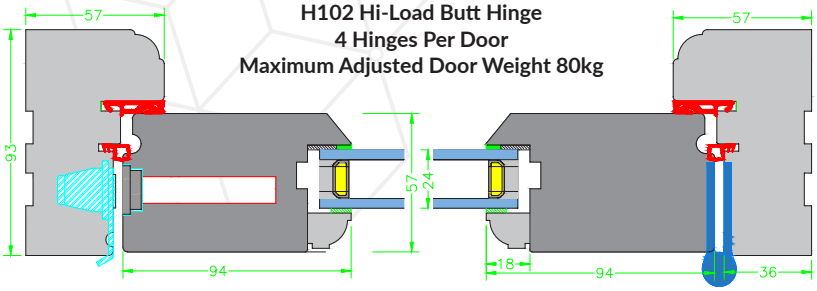
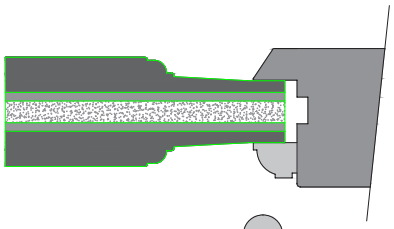
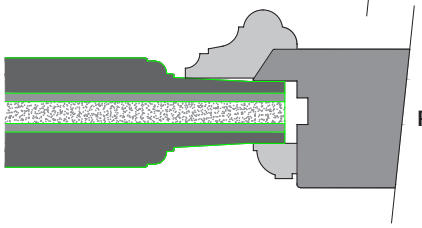
Single Door (Open In)

Royce & Tucker
H102 Hi-Load Butt Hinge
4 Hinges Per Door
Maximum Adjusted Door Weight 80kg

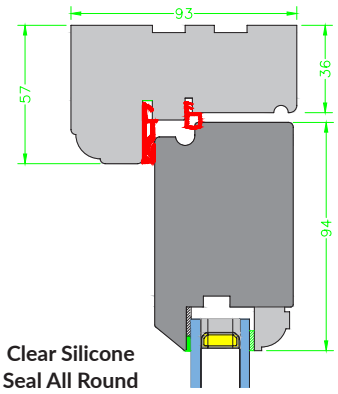




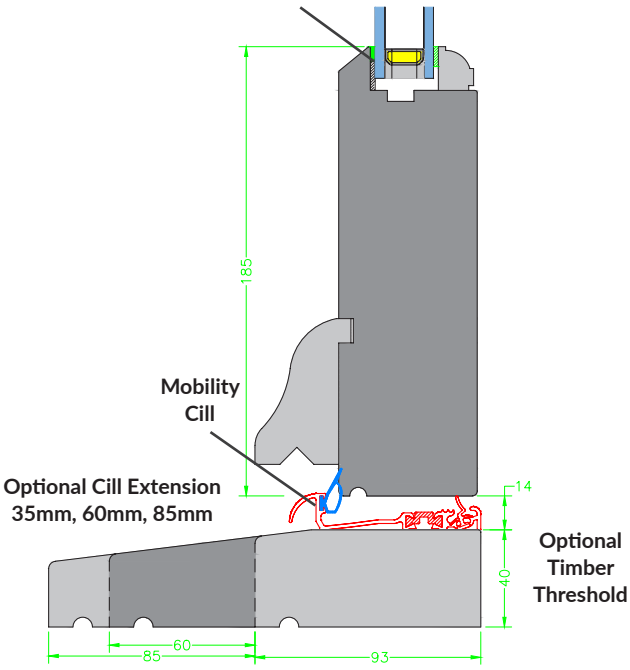
Raised and Fielded Insulated Panel For Improved Thermal Performance



Raised and Fielded Insulated Panel With Bolection Mouldings For Improved Thermal Performance



Clear Silicone Seal All Round



Mobility Cill

Optional Cill Extension
35mm, 60mm, 85mm

Optional Timber Threshold

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Design Features

- Secured by Design
- Tested to PAS 24:2016
- 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

Secured by Design
SBD
Police Preferred Specification

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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Double Doors
(Open Out)

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

This outward 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 24:2016 certified for high security. The system is also Secured by Design.

PAS 24:2016 Security	Secured by Design System	Document Q Compliant	Document L Compliant	Document M Compliant	BS6375-1 2009 Weather Tightnesss	Double or Triple Glazing

Specification

Frame Options	93 x 57mm Head & Jambs 68 x 57mm Cill 93mm x 68mm & 93 x 90mm 93 x 68mm Transom * Mullion
Sash	94 x 57mm Top Rail & Stiles 185 x 57mm Bottom Rail 185 x 57mm Meeting Rails
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	Flush 35mm, 60mm, 85mm or 110mm
Glazing	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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 2 Watertightness Class 3A Resistance To Wind Load Class 800X
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m²K
Security	PAS 24 and Secured by Design

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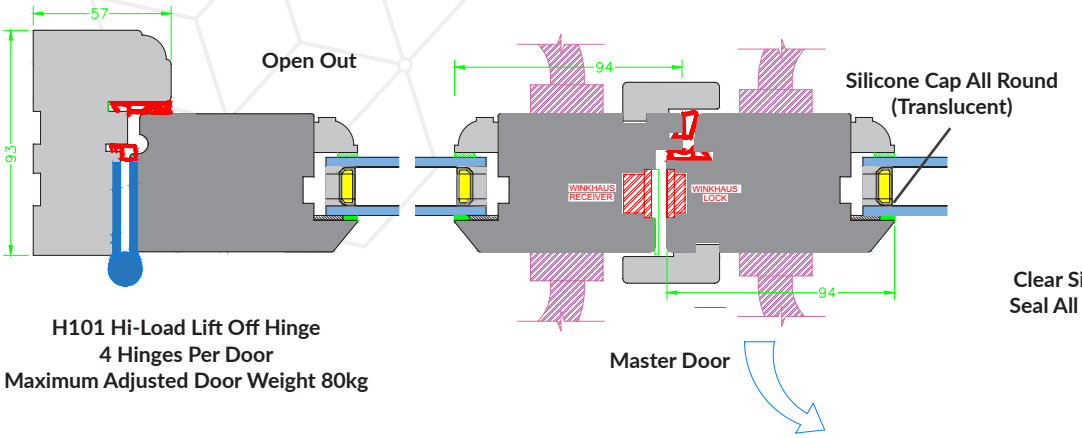
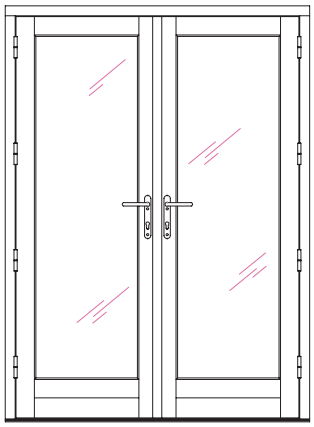
Timber Windows & Doors
Created by The Joinery Network

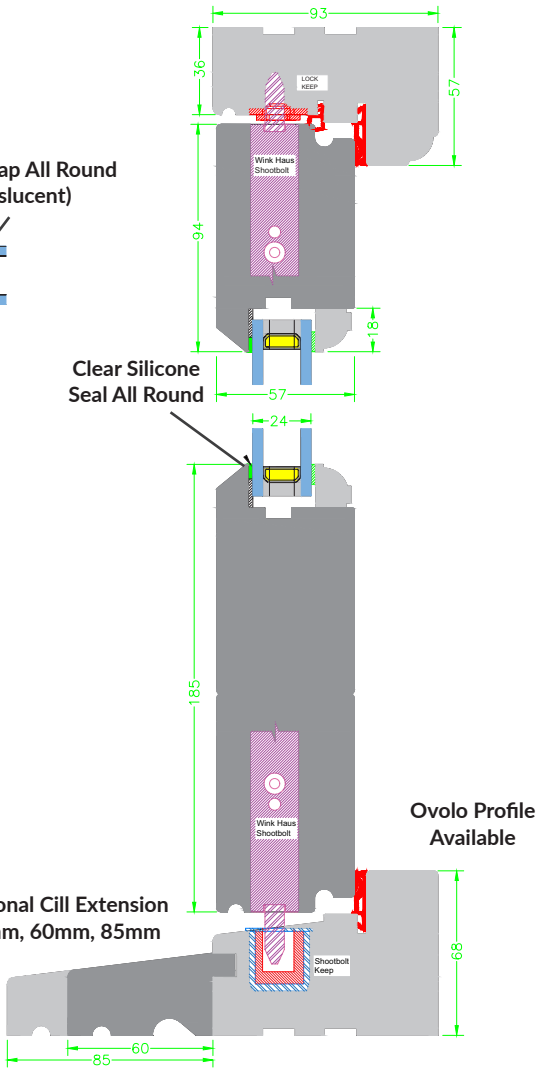
Double Doors (Open Out)



H101 Hi-Load Lift Off Hinge
4 Hinges Per Door
Maximum Adjusted Door Weight 80kg

Master Door





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Design Features

- Secured by Design
- Tested to PAS 24:2016
- 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

Secured by Design
SBD
Police Preferred Specification

Design Options

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

Backing Timber Window & Door Manufacturers
The Joinery Network, The Old Chapel, Welbeck Grove, Allestree, Derby DE22 2LS
hello@thejoinerynetwork.co.uk | www.thejoinerynetwork.co.uk | 033 33 44 98 95

The Joinery Network

LIGNUM
Timber Windows & Doors
Created by The Joinery Network

Double Doors
(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 24:2016 certified for high security. The system is also Secured by Design.

- PAS 24:2016 Security
- Secured by Design System
- Document Q Compliant
- Document L Compliant
- Document M Compliant
- BS6375-1 2009 Weather Tightnesss
- Double or Triple Glazing

Specification

Frame Options	93 x 57mm Head & Jambs 68 x 57mm Cill 93mm x 68mm & 93 x 90mm 93 x 68mm Transom * Mullion
Sash	94 x 57mm Top Rail & Stiles 185 x 57mm Bottom Rail 185 x 57mm Meeting Rails
Sash Profile	Ovolo or Lambs Tongue
Cill Projection	Flush 35mm, 60mm, 85mm or 110mm
Glazing	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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Butt hinges fixed pin, multipoint thunder bolt locking system 3 star security cylinder
Handles	Lever handles, finishes on request
Trickle Vent	Can be fitted through frame head (Head Drip)

Test Data

BS6375 Part 1	Air Permeability Class 2 Watertightness Class 3A Resistance To Wind Load Class 800X
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.4W/m²K
Security	PAS 24 and Secured by Design

The Joinery Network

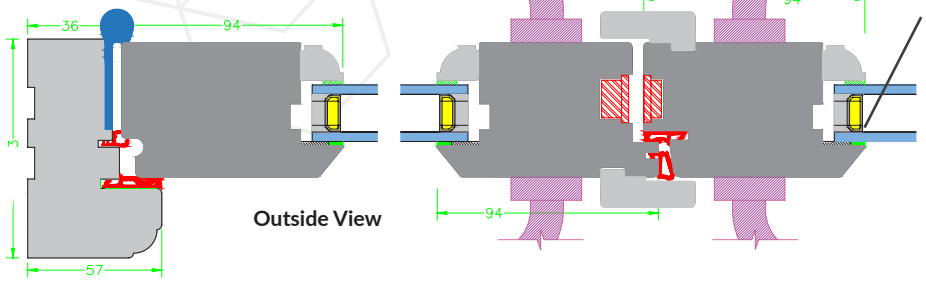
LIGNUM
Timber Windows & Doors
Created by The Joinery Network

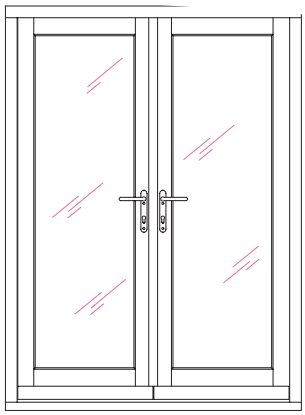
Double Doors (Open In)

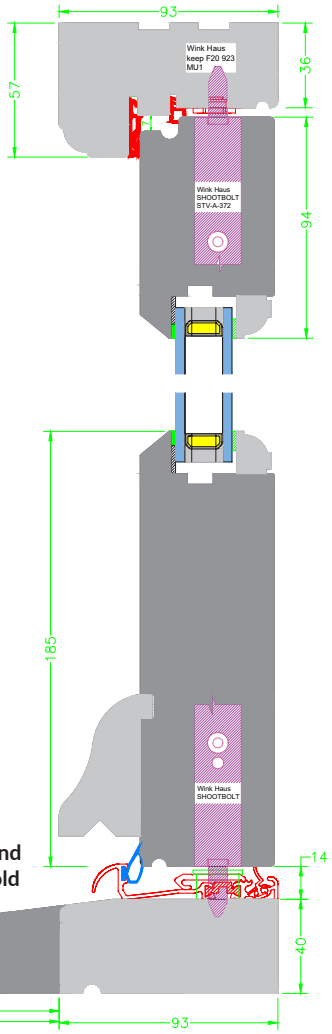
H101 Hi-Load Lift Off Hinge
4 Hinges Per Door
Maximum Adjusted Door Weight 80kg

Master Door
Open In

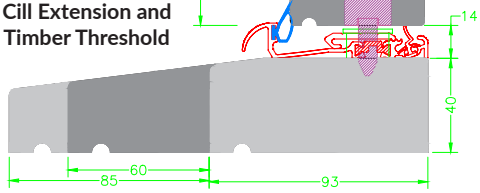
Silicone Cap All Round
(Translucent)







Optional Cill Extension and
Optional Timber Threshold



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Design Features

- Secured by Design
- Tested to PAS 24:2016
- 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

Secured by Design
SBD
Police Preferred Specification

Design Options

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

Backing Timber Window & Door Manufacturers
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The Joinery Network

LIGNUM
Timber Windows & Doors
Created by The Joinery Network

Spring Sash Window

Lignum timber spring sash windows are the modern alternative to the traditional box sash, making them ideal for new as well as traditional properties.

The Lignum spring sliding sash window uses a spring-loaded mechanism instead of weighted cords and pulleys, so it is suitable for a smaller or flush reveal detail .

The window provides excellent energy efficiency and security performance. The spring sash offers a more economical solution, making it an ideal choice for both refurbishment and new build projects.

- PAS 24:2016 Security
- 1.3W/m²K U-Value
- Secured by Design System
- Document L Compliant
- Document M Compliant
- BS6375-1 2009 Weather Tightnesss
- Double or Triple Glazing

Specification

Frame Options	61 x 164mm Head & Jambs 68 x 164mm Cill 98, 141mm & 198mm Mullion 28mm Transom
Sash	56 x 57mm Top Rail & Stiles 90 x 57mm Bottom Rail 43 x 57mm Mid Rail Option
Sash Profile	Ovolo or Lambs Tongue Optional Horn Detail on Sash
Cill Projection	35mm, Flush 60mm, 85mm or 110mm
Glazing	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 Curved glass and units with less than 14mm cavity will have Aluminium Spacer in place of Warm Edge Spacer
Trickle Vent	Concealed Trickle Vent Through Head 4600EA

Hardware/Fittings

Hardware	Sash catch, sash lifts, sash restrictors and barrel security lock 2 sash catches fitted if PAS24
Handles	Polished Chrome, Satin Chrome, Antique Brass, Oil Rubbed Bronze or Brass Finish
Trickle Vent	Can be fitted through frame head (Head Drip)

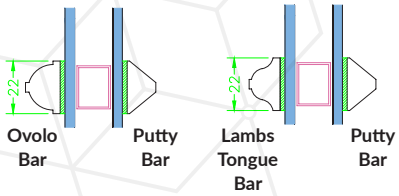
Test Data

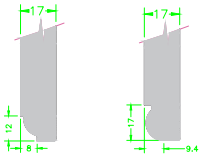
BS6375 Part 1	Air Permeability Class 3, Watertightness Class 8A to 450PA Resistance To Wind Load Class C5
Acoustic Rating	RW(C;Ctr) = 36 (-2,6) db (With Sound Control Glass)
Thermal Rating	U-Value 1.3W/m²K
Security	PAS 24 and Secured by Design

The Joinery Network

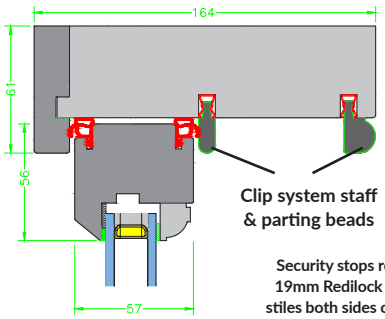
LIGNUM
Timber Windows & Doors
Created by The Joinery Network

Spring Sash Window

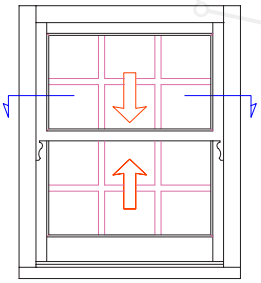




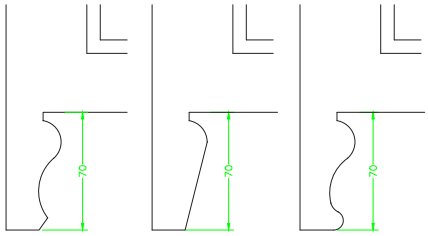
External Liners can be SQUARE Profile as shown, Ovolo or Beaded

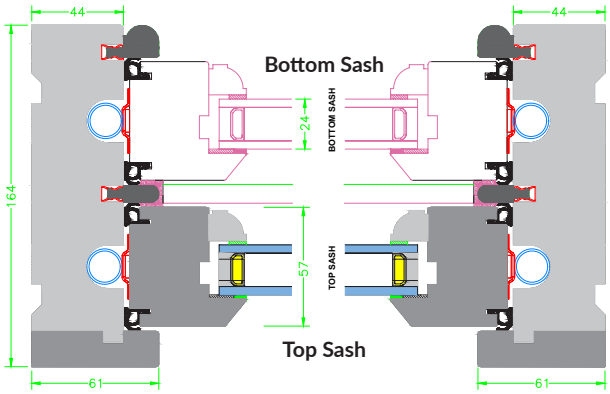


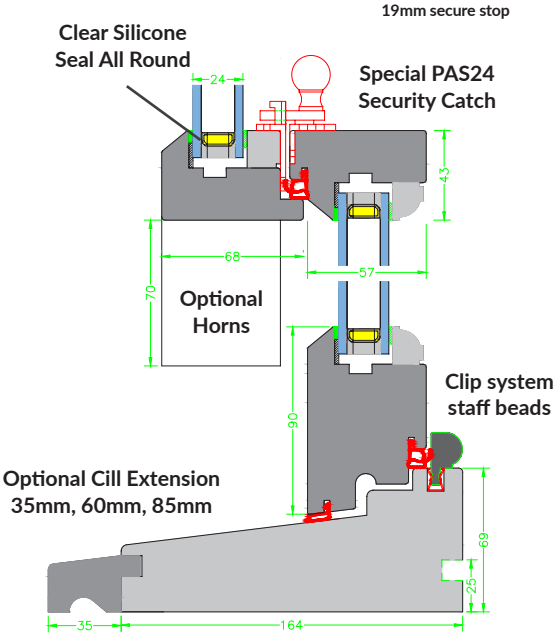
Security stops reddiseal 19mm Redilock fitted to stiles both sides or options 19mm secure stop



Section through upper sash A-A (Optional Horns)







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Design Features

- Tested to PAS 24:2016
- Choice of Square, Ovolo or Beaded External Liners
- Deventer superior weatherseals
- Clip system Staff and Parting Beads
- Special PAS 24 Security Catch
- Fully suited window & door system

Secured by Design
SBD
Police Preferred Specification

Design Options

- Lambs Tongue or Ovolo sash and glazing bars
- Choice of sash horn styles
- Heritage slim-glass unit bead option
- Slim outerframe and sash options

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