NEW UPGRADED

SLIM PROFILE **ULTRA LOW U-VALUE**

STORVIK DOUBLE AND TRIPLE GLAZED RANGE

THE SUSTAINABLE WINDOW OPTION



A NEW UPGRADED RANGE OF TIMBER WINDOWS MEETING THE MOST EXACTING SPECIFICATIONS



- Improved thermal performance.
- Window energy ratings A to C.
- Efficient 24mm double glazed unit with Ultra Low STORVIK^{SKD} U-Values to 1.2 Wm²K.



 Efficient 44mm triple glazed unit with Ultra Low STORVIK^{SKT} U-Values to 0.8 Wm²K.



- Quality laminated Redwood Nordic Pine construction.
- Manufactured from the finest FSC[®] accredited timber on request.

- Slim profile, flush fit styling enables window furniture to be concealed.
- BRE Green Guide A+ Rated.
- High security Secured by Design locking system fitted as standard.
- European Conformity.



- Supplied fully finished in our extended range of paints and stains.
- Extensive guarantees for long-lasting peace of mind.
- Incorporating Swisspacer ULTIMATE, the leading warm edge spacer fitted where appropriate.

 SWISSPACER

MEETING AND BEATING THE CHALLENGES OF HIGHER STANDARDS

Developed, designed and manufactured in the UK by Howarth specifically for the UK market, the upgraded STORVIK range was developed after extensive research into the latest in timber, glazing and weather seal products. The result is a window design that outperforms current standards to meet those expected of windows in the future.

UPGRADED STORVIK^{SKD} DOUBLE GLAZED

WINDOWS

The STORVIK^{SKD} Double Glazed window range is one of our latest developments. It is designed to provide the ultimate in energy performance while maintaining the aesthetics of our Flush Fit range and incorporating a 24mm sealed unit. These frames are manufactured using the very latest glazing advances to achieve a WER A rating, dependent upon requirements and, with the right combination of materials, U-Values can be reduced to around 1.2 W/m²K. The frames meet all Building Regulations and Secured by Design standards.

UPGRADED STORVIK^{SKT} TRIPLE GLAZED WINDOWS

The STORVIK^{SKT} range of timber windows has been developed in response to increasing market demand for improved energy performance. Using the combination of high-spec materials the upgraded STORVIK^{SKT} range provides U-Values down to 0.8 W/m²K. The frames meet all Building Regulations and Secured by Design standards.



ULTRA LOW U-VALUES

Glazing is the prime driver in reducing U-Values, and the STORVIK design offers a wide range of



offers a wide range of glazing options. Argon filled units with warm edge spacer bars and the latest in low E coatings can drive down actual U-Values as low as 0.7w/m²K dependent upon the design of window required.

SECURED BY DESIGN FITTED AS STANDARD

All windows in the STORVIK range are manufactured complete with Secured by Design hardware as standard, providing peace of mind for the consumer.

Security for homeowners was a prime consideration in the design of the STORVIK range. The only exceptions are fire escape windows where ease of escape mechanism is necessary.

LOGICAL CONSTRUCTION OFFERS GLAZING FLEXIBILITY

The STORVIK range has been designed so that choosing double or triple glazing options does not compromise the aesthetics of the window frame appearance.

EFFICIENT HIGH PERFORMANCE GLAZING UNITS

The STORVIK range offers a full choice of glazing options to meet customer specifications regarding security, safety and thermal efficiency.





THE ULTRA LOW U-VALUE STORVIK SKD DOUBLE GLAZED RANGE

Designed to meet the growing need for a traditionally styled flush fit casement window, particularly in conservation and inner city re-development areas, the Howarth STORVIKSKD range provides the solution and then goes even further.

The upgraded Howarth STORVIKSKD range can reach as low as 1.2 W/m²K for thermal performance. This reduces energy demand for heating, thus lessening the environmental impact.

In addition the Howarth STORVIKSKD range earns an A+ rating from the BRE Green Guide for environmental performance.

In order to improve the overall aesthetic quality, and to offer enhanced strength and stability, all main frame and sash components are made from clear-faced laminated timber. This timber is sourced

sustainably so that it also provides an environmentally friendly solution. Plant-on components, such as sills, bay coupling posts and head drips are manufactured using non-laminated European Redwood.

This enables us to offer extensive guarantees on the frame, paint system, glazing units and ironmongery, giving everyone - from the specifier to the end-user - total peace of mind. The STORVIKSKD range is available fully finished in any of our extended range of standard finishes,

NOTE: Frames are generally available in

standard RAL colours except black.

For availability of other darker shades please contact the Sales Office on 01469 530577.



FINISHING OPTIONS

Choose from a range of paint and stain finishes with built-in high performance, endurance and quality.

Standard Stain Finishes



NOTE: All Howarth paint/stain finishes are silk and not high gloss.

GUARANTEES

As a result of the improved stability of laminated timber construction we are able to provide guarantees for ten years on our paint finish and six years on our stain finish.











NOTE: All guarantees given in this

catalogue are subject to limitations and are strictly dependent upon compliance

with manufacturers' usage and maintenance

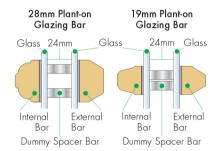
These are available upon request.

instructions.

Sealed Units Fungal Attack



LEAD AND BAR OPTIONS



Plant-on Bar

All our windows are priced as standard with the plant-on bar method to both

internal and

external faces of the glass.

19mm Plant-on Bar



Dummy spacer bar with 19mm plant-on timber bars.

19mm and 28mm Plant-on Bar Options

Plant-on bars are available in widths of either 19mm or 28mm at the same price.

Dummy Spacer Bar

Dummy spacer bars are available as an extra cost option on all planton bar ranges, giving the appearance of individual panes (shown above).

Glazing Options

Meeting and exceeding current requirements.

Leading Options

Leading is available in either 9mm or 12mm thicknesses applied to both sides of the external pane.

Square and Diamond patterns (illustrated below) are available as standard.

For further details of alternative configurations please contact the Sales Office on 01469 530577.



9mm Diamond Lead



9mm Square Lead



(Above) The STORVIK^{SKD} Double Glazed window range features a built in vent, shown in an closed position and the design utilises a thicker head section providing increased plaster line clearance.

(Right) The STORVIK^{SKD} Double Glazed range features a stylish profile to enhance the internal appearance.

Timber. All timber used is laminated Redwood Nordic Pine from well managed yield sources.





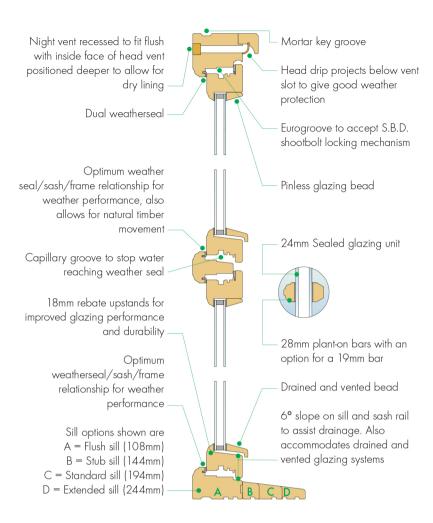


(Above) The upgraded STORVIK^{SKD} Double Glazed window range features S.B.D. shootbolt locking for optimal security. Face-fixed handles are available in White or Black as standard or in a choice of other colours as an optional extra.

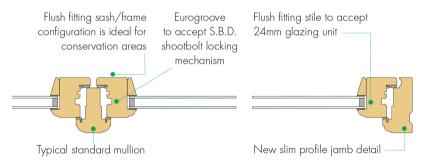
(Below) The STORVIK^{SKD} Double Glazed window range features reflex hinges for ease of use.







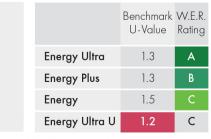
CROSS SECTION THROUGH HORIZONTAL



CE MARKING

THERMAL PERFORMANCE

Benchmark Window 1230mm wide x 1480mm high





NOTE: Results generated by Howarth to determine energy ratings are conducted using the rules and procedures used by the BFRC and are based upon the BFRC standard specification and frame sizes for such calculations.

PRODUCT RANGE

- 01 Storvik^{skd} double glazed Side hung (standard module)
- 02 STORVIK^{SKD} DOUBLE GLAZED SIDE HUNG (NARROW MODULE)
- O3 STORVIK^{SKD} DOUBLE GLAZED TOP HUNG (STANDARD MODULE)
- O4 STORVIK^{SKD} DOUBLE GLAZED TOP HUNG (NARROW MODULE)
- 05 STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (STANDARD MODULE)
- 06 STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (STANDARD MODULE) CONT'
- 07 STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (NARROW MODULE)
- 08 STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (NARROW MODULE) CONT'
- O9 STORVIK^{SKD} DOUBLE GLAZED DEEP VENT (STANDARD MODULE)
- STORVIK^{SKD} DOUBLE GLAZED DEEP VENT (NARROW MODULE)
- 11 STORVIK^{SKD} DOUBLE GLAZED NARROW MODULE ESCAPE WINDOW
- 12 STORVIKSKD BAR OPTIONS
- 13 STORVIKSKD SQUARE BAYS
- 14 STORVIKSKD 60° SPLAYED BAYS
- 15 STORVIKSKD 45° SQUARE BAYS
- 16 STORVIKSKD 30° SQUARE BAYS
- 17 STORVIK^{SKD} WINDOW OPTIONS



STORVIKSKD DOUBLE GLAZED SIDE HUNG (STANDARD MODULE)



STORVIKSKD SKD DOUBLE GLAZED SIDE HUNG (NARROW MODULE)

| | 488 915 | | 1344 | 1770 | 2198 | |
|--------|----------|-----------|------------|-------------|--------------|--|
| HEIGHT | CODE | CODE | CODE | CODE | CODE | |
| 750 | SKDN07C | SKD2N07CF | SKD3N07CFC | SKD4N07CFFC | SKD5N07CFFFC | |
| 900 | skdno9c | SKD2N09CF | SKD3N09CFC | SKD4N09CFFC | SKD5N09CFFFC | |
| 1050 | SKDN 10C | SKD2N10CF | SKD3N10CFC | SKD4N10CFFC | SKD5N10CFFFC | |
| 1200 | SKDN 12C | SKD2N12CF | SKD3N12CFC | SKD4N12CFFC | SKD5N12CFFFC | |
| 1350 | SKDN 13C | SKD2N13CF | SKD3N13CFC | SKD4N13CFFC | SKD5N13CFFFC | |
| 1500 | SKDN 15C | SKD2N15CF | SKD3N15CFC | SKD4N15CFFC | SKD5N15CFFFC | |

STORVIKSKD DOUBLE GLAZED TOP HUNG (STANDARD MODULE)

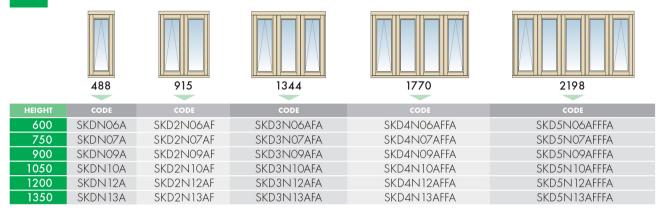
| | 630 | 1200 | 1770 | 2340 | 2913 | |
|--------|----------|----------|-----------|------------|-------------|--|
| HEIGHT | CODE | CODE | CODE | CODE | CODE | |
| 600 | SKD106A | SKD206AF | SKD306AFA | SKD406AFFA | SKD506AFFFA | |
| 750 | SKD 107A | SKD207AF | SKD307AFA | SKD407AFFA | SKD507AFFFA | |
| 900 | SKD109A | SKD209AF | SKD309AFA | SKD409AFFA | SKD509AFFFA | |
| 1050 | SKD110A | SKD210AF | SKD310AFA | SKD410AFFA | SKD510AFFFA | |
| 1200 | SKD112A | SKD212AF | SKD312AFA | SKD412AFFA | SKD512AFFFA | |
| 1350 | SKD113A | SKD213AF | SKD313AFA | SKD413AFFA | SKD513AFFFA | |

NOTE: All glazed frames now include low-E 24mm glazing. Frames 1500mm high or above, include low-E toughened glass. Window sizes shown are nominal and are approx 5mm to 10mm less than the size shown depending on sash configuration to allow for building in. All illustrations above tables show exterior views.

03



04 STORVIK^{SKD} DOUBLE GLAZED TOP HUNG (NARROW MODULE)



05 STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (STANDARD MODULE)

| TINDON'S | 630 | 1200 | 1770 | 2340 | 2913 | |
|----------|---------|------------|-------------|--------------|---------------|--|
| HEIGHT | CODE | CODE | CODE | CODE | CODE | |
| 1050 | SKD110V | SKD210CV 💆 | SKD310CVC 💆 | SKD410CVVC 💆 | SKD510CVVVC 💋 | |
| 1200 | SKD112V | SKD212CV 💆 | SKD312CVC 💆 | SKD412CVVC | SKD512CVVVC | |
| 1350 | SKD113V | SKD213CV 🔼 | SKD313CVC 🔼 | SKD413CVVC | SKD513CVVVC | |
| 1500 | SKD115V | SKD215CV | SKD315CVC 💆 | SKD415CVVC | SKD515CVVVC | |

STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (STANDARD MODULE) CONT'



07

STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (NARROW MODULE)



80

STORVIK^{SKD} DOUBLE GLAZED STANDARD VENT (NARROW MODULE) CONT'



09

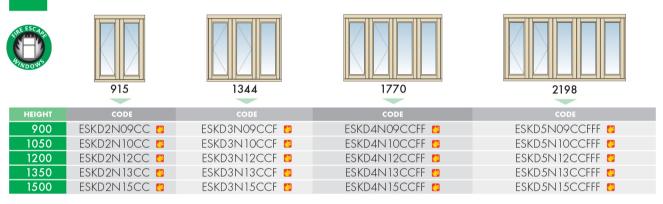
STORVIK^{SKD} DOUBLE GLAZED DEEP VENT (STANDARD MODULE)



STORVIK^{SKD} DOUBLE GLAZED DEEP VENT (NARROW MODULE)



STORVIKSKD DOUBLE GLAZED (NARROW MODULE) ESCAPE WINDOW



12 STORVIK^{SKD} BAR OPTIONS



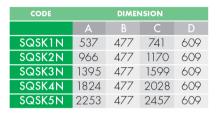
STORVIK BAY WINDOWS

SQUARE BAYS

Standard Module

SQSK1 680 620 884 752 SQSK2 1252 620 1456 752 SQSK3 1824 2028 752 SQSK4 2600 752 2396 620 SQSK5 2968 620 3172 752

Narrow Module

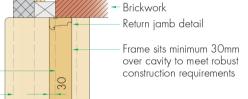


Back face of brickwork

Blockwork

62

Back face of brickwork



- Blockwork Insulation

Front face of brickwork

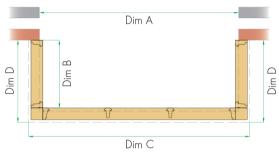
108mm corner post detail

Standard 194mm sill projects 62mm from face

of brickwork

Cavity

Dimensions

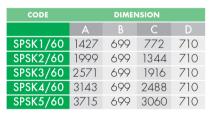


NOTE: Dashed line represents brickwork

Dimensions

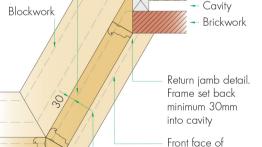
60° SPLAYED BAYS

60° Standard Module



60° Narrow Module

| CODE | DIMENSION | | | | | | |
|-----------|--------------|-----|------|-----|--|--|--|
| | Α | В | С | D | | | |
| SPSK1N/60 | 1141 | 575 | 629 | 567 | | | |
| SPSK2N/60 | 1570 | 575 | 1058 | 567 | | | |
| SPSK3N/60 | 1999 | 575 | 1487 | 567 | | | |
| SPSK4N/60 | 2428 | 575 | 1916 | 567 | | | |
| SPSK5N/60 | 28 <i>57</i> | 575 | 2345 | 567 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



Standard 194mm sill projects 62mm from face of brickwork

brickwork Frame sits minimum 30mm over cavity to meet robust

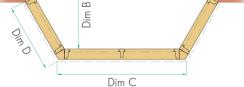
Blockwork

Insulation

construction requirements

Corner post detail

Dim A Δ

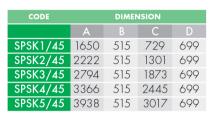


NOTE: Dashed line represents brickwork

45° SPLAYED BAYS

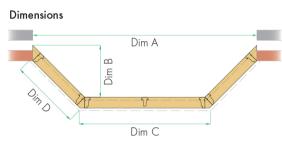
45° Standard Module

45° Narrow Module

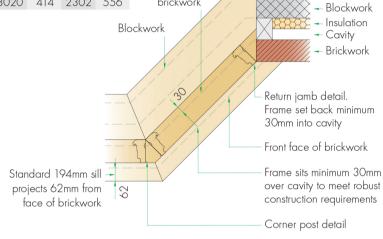








NOTE: Dashed line represents brickwork



Back face of

brickwork

30° SPLAYED BAYS

30° Standard Module

30° Narrow Module

| CODE | | DIME | NSION | | CODE | | DIME | NSION | | |
|-------------------|---------|---------|-----------|-------|-----------|------|----------|--------------------------------|-------|--|
| | Α | В | С | D | | Α | В | С | D | |
| SPSK1/30 | 1802 | 341 | 691 | 682 | SPSK1N/30 | 1411 | 270 | 548 | 539 | |
| SPSK2/30 | 2374 | 341 | 1263 | 682 | SPSK2N/30 | 1840 | 270 | 977 | 539 | |
| SPSK3/30 | 2946 | 341 | 1835 | 682 | SPSK3N/30 | 2269 | 270 | 1406 | 539 | Blockwork |
| SPSK4/30 | 3518 | 341 | 2407 | 682 | SPSK4N/30 | 2698 | 270 | 1835 | 539 | – Back face of brickwork |
| SPSK5/30 | 4090 | 341 | 2979 | 682 | SPSK5N/30 | 3127 | 270 | 3364 | 539 | |
| Dimensions Dim D | | Dim B | Dim A | | | | | | | Return jamb detail Frame set back mi 30mm into cavity |
| | | | | | | | orojects | 1 194mm 62mm f of brickw | rom 3 | Front face of brick Frame sits 30mm over cavity to meet robust construction requirements |
| IOTE: Dash | ed line | represe | ents bric | kwork | | | | | | Corner post detail |

17

STORVIKSKD WINDOW OPTIONS

1. Night ventilators

All windows between 488mm and 914mm include 4600mm² equivalent area of ventilation. All windows 915mm wide and over include 9200mm² equivalent area of ventilation. Please specify if you require only 4600mm² or no ventilation.

2. Sills

The standard sill width is 194mm to allow the frame to be set back into the cavity to meet Part L Robust Construction Detail requirements. Other available sill width options are 108mm flush sills and 144mm stub sills, or 244mm extended sills.

Larger sills have a tendency to cup, twist or split. These risks are greater on south facing elevations or if decorated with a dark top coat. Where a frame needs to be set back into the wall to avoid cold bridging, we recommend that a flush or a stub sill is used in conjunction with a stone or canted brick sill. Consequently, we do not guarantee extended sills.

3. Finishing options

Frames are available in any of our standard finishes
Frames are also generally available in standard RAL colours except black.
For availability of other darker shades please contact the Sales Office on 01469 530577.

4. Combination door and window frames are available

5. Bay Windows

Bays are available in the Storvik range excluding shallow and deep circular.

6. Repair kits for fully finished windows

Includes paint or stain, brush, sandpaper, tube of filler and instructions. Will cover 0.5m².

Cavity closers in loose lengths are available

Window furniture and locking mechanisms

A range of furniture options is available.

Available in a range of colour options. White and Black in one price group. Polished Chrome effect, Satin Chrome effect and Gold effect are available at an extra cost.

Windows are fitted with S.B.D. shootbolt locking systems and reflex hinges.

Shootbolt locking

Locking mechanisms are user adjustable by the purchaser to allow for slight movement which can occur naturally within timber profiles, or any alignment change which may have occurred to the sash during the transport or installation of the frame.

9. Secured by Design

STORVIK^{SKD} windows are supplied to achieve PAS24:1012 Secured by Design requirements and are audited to ensure continuing compliance as part of our BSI Kitemark Scheme. Some sizes may exceed tested dimensions. For full details on which frames meet S.B.D, please contact our Sales Office on 01469 530577.

10. Restrictor stays

Concealed restrictor stays are available.

11. Cambered heads

One per window produced in non-laminated Redwood are available. One will be supplied per frame unless otherwise requested.

12. Perimeter pinch battens

For installing frames into timber frame buildings. These are available made from non-laminated Redwood. They are fitted to the jambs and heads of the frame unless otherwise requested.

13. Shrink wrapping

Frames are wrapped as standard in a clear cling film which permits visual inspection of the frame upon delivery.

14. Tolerances

On the STORVIK^{SKD} range the 'brick work' tolerances vary between 5 and 10mm allowing for consistent sash widths.

15. Quotation prices

Quotation prices do not include VAT which will be charged at the rate applicable at the time of delivery. Prices quoted are subject to Howarth's Standard Terms and Conditions of Sale.

16. Deliveries

All ancillary purchases are subject to a post and packing charge. Orders of £1,000 or less will be subject to a delivery charge.



NOTE: All glazed frames now include low-E 24mm glazing. Frames 1500mm high or above, include low-E toughened glass.





NEW UPGRADED STORVIK^{SKT} TRIPLE GLAZED RANGE

A RANGE OF TRIPLE GLAZED TIMBER WINDOWS MEETING THE MOST EXACTING SPECIFICATIONS

- Improved thermal performance.
- WIndow energy ratings A to C.
- Efficient 44mm triple glazed unit with Ultra Low STORVIK^{SKT} U-Values to 0.8 W/m²K.
- 0.8W/m²K²
- Quality laminated Redwood Nordic Pine construction.
- Manufactured from the finest FSC[®] accredited timber on request.
- Slim profile, flush fit styling enables window furniture to be concealed.

- BRE Green Guide A+ Rated.
- High security Secured by Design locking system fitted as standard.
- European Conformity.



- Supplied fully finished in our extended range of paints and stains.
- Extensive guarantees for long-lasting peace of mind.
- Incorporating Swisspacer ULTIMATE, the leading warm edge spacer fitted where appropriate.

THE ULTRA LOW U-VALUE STORVIK SKT TRIPLE GLAZED RANGE

Designed to meet the expanding requirements for enhanced thermal performance, the Howarth STORVIK^{SKT} Triple Glazed range uses the very best materials and techniques to ensure that every product meets the U-Values increasingly demanded by growing sectors of the market.

These low U-Values are achieved by using a 44mm triple glazed unit that increases the frames thermal capabilities, meaning it can reach as low as 0.8 W/m²K for thermal performance.

In addition, the Howarth STORVIK^{SKT} Triple Glazed range also earns an A+ Rating from the BRE Green Guide for environmental performance.

Based on our popular flush fit styling, the Triple Glazed STORVIK^{SKT} window will fit into any traditional or contemporary development.

All main frame components and sashes are manufactured using clear-faced

laminated Redwood for enhanced strength and durability, as well as providing a clear knot-free finish. It should be noted though, that all plant-on sections, sill and head drips are made from non-laminated Redwood which may contain knots.

The upgraded Howarth STORVIK^{SKT} window is environmental advantages too. Improved thermal performance means that less energy is needed to heat buildings, thus reducing the environmental impact. Frames can also be manufactured from FSC® accredited timber with full chain of custody for sustainability.



NOTE: Frames are generally available in

standard RAL colours except black.

For availability of other darker shades please contact the Sales

Office on 01469 530577.

FINISHING OPTIONS

Choose from a range of paint and stain finishes with built-in high performance, endurance and quality,

Standard Stain Finishes



NOTE: All Howarth paint/stain finishes are silk and not high gloss.

GUARANTEES

As a result of the improved stability of laminated timber construction we are

able to provide guarantees for ten years on our paint finish and six years on our stain finish.





sin Finish Paint Finish







Rot and Fungal Attack

Sealed Units Ironmongery

NOTE: All guarantees given in this catalogue are subject to limitations and are strictly dependent upon compliance with manufacturers' usage and maintenance instructions. These are available upon request.





SECURED BY DESIGN

The upgraded STORVIK^{SKT} windows are manufactured to the demanding standards of Secured by Design, dependent on the size and configuration of the window frame. For full details on which frames comply with S.B.D, please contact the Sales Office on 01469 530577.

are As with all Howarth windows, the STORVIK^{SKT} window range is manufactured to strict guidelines set out by the British Woodworking

British Woodworking
Federation's Timber Window
Accreditation Scheme,
ensuring the best quality
products and the highest levels
of performance.



(Left) The upgraded STORVIK^{SKT} Triple Glazed range features S.B.D. shootbolt locking for optimal security. Face-Fixed handles are available in White or Black as standard or a choice of other colours as an optional extra.



(Above) The STORVIK^{SKT} Triple Glazed range features a built in vent, shown in an open position and the new design utilises a thicker head section providing increased plaster line clearance.

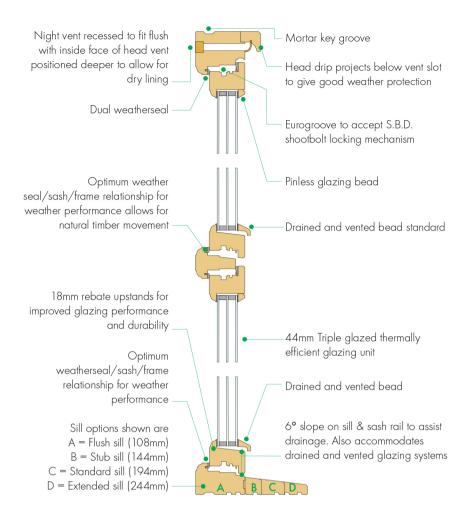
Timber. All timber used is laminated Redwood Nordic Pine from well managed yield sources.



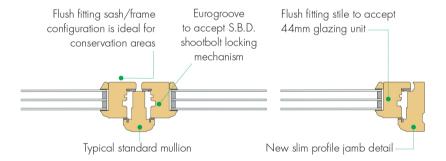
(Below) The STORVIK^{SKT} Triple Glazed range features a stylish profile to enhance the internal appearance.

(Bottom) The STORVIK^{SKT} Triple Glazed window range features reflex hinges for ease of use.





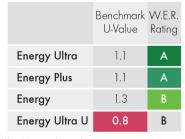
CROSS SECTION THROUGH HORIZONTAL



CE MARKING (

THERMAL PERFORMANCE

Benchmark Window 1230mm wide X 1480mm high





NOTE: Results generated by Howarth to determine energy ratings are conducted using the rules and procedures used by the BFRC and are based upon the BFRC standard specification and frame sizes for such calculations.

PRODUCT RANGE

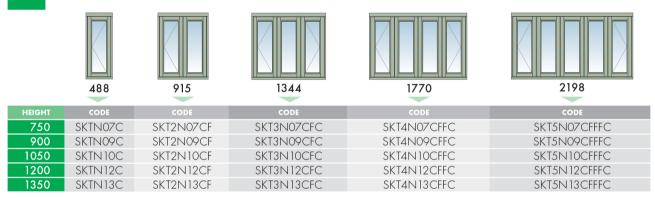
- 18 STORVIK^{SKT} TRIPLE GLAZED
 SIDE HUNG (STANDARD MODULE)
- 19 STORVIK^{SKT} TRIPLE GLAZED
 SIDE HUNG (NARROW MODULE)
- 20 STORVIK^{SKT} TRIPLE GLAZED
 TOP HUNG (STANDARD MODULE)
- 21 STORVIK^{SKT} TRIPLE GLAZED
 TOP HUNG (NARROW MODULE)
- 22 Storvik^{skt} triple glazed Standard vent (Standard Module)
- 23 STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (STANDARD MODULE) CONT'
- STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (NARROW MODULE)
- 25 STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (NARROW MODULE) CONT'
- 26 STORVIK^{SKT} TRIPLE GLAZED
 DEEP VENT (STANDARD MODULE)
- 27 STORVIK^{SKT} TRIPLE GLAZED
 DEEP VENT (NARROW MODULE)
- 28 STORVIK^{SKT} TRIPLE GLAZED NARROW MODULE ESCAPE WINDOW
- 29 STORVIK^{SKT} WINDOW OPTIONS



18 STORVIK^{SKT} TRIPLE GLAZED SIDE HUNG (STANDARD MODULE)



19 STORVIK^{SKT} TRIPLE GLAZED SIDE HUNG (NARROW MODULE)



STORVIK^{SKT} TRIPLE GLAZED TOP HUNG (STANDARD MODULE)



20

21 STORVIK^{SKT} TRIPLE GLAZED TOP HUNG (NARROW MODULE)



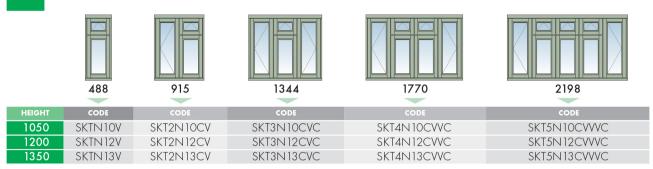
STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (STANDARD MODULE)

| | MINDOWS | 630 | 1200 | 1770 | 2340 | 2913 | |
|---|---------|---------|------------|-------------|--------------|---------------|--|
| | HEIGHT | CODE | CODE | CODE | CODE | CODE | |
| ĺ | 1050 | SKT110V | SKT210CV 📴 | SKT310CVC 💆 | SKT410CVVC 💋 | SKT510CVVVC 💋 | |
| ĺ | 1200 | SKT112V | SKT212CV 📴 | SKT312CVC 💆 | SKT412CVVC 💋 | SKT512CVVVC 🔼 | |
| ĺ | 1350 | SKT113V | SKT213CV 📴 | SKT313CVC 💆 | SKT413CVVC 💆 | SKT513CVVVC 🔼 | |

STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (STANDARD MODULE) CONT'



24 STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (NARROW MODULE)



STORVIK^{SKT} TRIPLE GLAZED STANDARD VENT (NARROW MODULE) CONT'



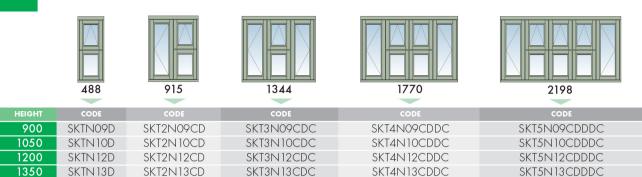
STORVIKSKT TRIPLE GLAZED DEEP VENT (STANDARD MODULE)



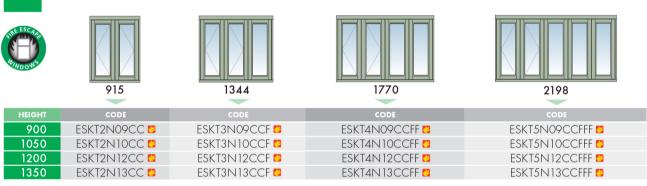
25

26

27 STORVIK^{SKT} TRIPLE GLAZED DEEP VENT (NARROW MODULE)



STORVIK^{SKT} TRIPLE GLAZED (NARROW MODULE) ESCAPE WINDOW









NOTE: All triple glazed frames now include low-E 44mm glazing. Window sizes shown are nominal and are approx 5mm to 10mm less than the size shown depending on sash configuration to allow for building in. All illustrations above tables show exterior views.



Fire Escape Windows will be fitted with Fire Escape Hinges.

1. Night ventilators

All windows between 488mm and 914mm include 4600mm² equivalent area of ventilation. All windows 915mm wide and over include 9200mm² equivalent area of ventilation. Please specify if only 4600mm² equivalent area of ventilation, or no ventilation, is needed.

2. Sills

The standard sill width is 194mm to allow the frame to be set back into the cavity to meet Part L Robust Construction Detail requirements. Other available sill width options are 108mm flush sills, 144mm stub sills and 244mm extended sills.

Larger sills have a tendency to cup, twist or split. These risks are greater on south facing elevations or if decorated with a dark top coat. Where a frame needs to be set back into the wall to avoid cold bridging, we recommend that a flush or a stub sill is used in conjunction with a stone or canted brick sill. Consequently, we do not guarantee extended sills.

3. Finishing options

Frames are available in any of our standard finishes

Frames are also generally available in standard RAL colours except black. For availability of other darker shades please contact the Sales Office on 01469 530577

4. Combination door and window frames are available

5. Bay Windows

Bays are available in the Storvik range excluding shallow and deep circular.

6. Repair kits for fully finished windows

Includes paint or stain, brush, sandpaper, tube of filler and instructions. Will cover 0.5m².

7. Cavity closers in loose lengths are available

Window furniture and locking mechanisms

A range of furniture options is available,

Available in a range of colour options. White and Black in one price group. Polished Chrome effect, Satin Chrome effect and Gold effect are available at an extra cost.

Windows are fitted with S.B.D. shootbolt locking systems and reflex hinges.

Shootbolt locking

Locking mechanisms are user adjustable by the purchaser to allow for slight movement which can occur naturally within timber profiles, or any alignment change which may have occurred to the sash during the transport or installation of the frame.

9. Secured by Design

STORVIK^{SKT} windows are supplied to achieve PAS24:2012 Secured by Design requirements and are audited to ensure continuing compliance as part of our BSI Kitemark Scheme. Some sizes may exceed tested dimensions. For full details on which frames meet S.B.D, please contact our Sales Office on 01469 530577.

10. Restrictor stays

Concealed restrictor stays are available.

11. Cambered heads

One per window produced in non-laminated Redwood are available. One will be supplied per frame unless otherwise requested.

12. Perimeter pinch battens

For installing frames into timber frame buildings. These are available made from non-laminated Redwood. They are fitted to the jambs and heads of the frame unless otherwise requested.

13. Shrink wrapping

Frames are wrapped as standard in a clear cling film which permits visual inspection of the frame upon delivery.

14. Tolerances

On the STORVIK^{SKT} frames this varies between 5mm and 10mm to allow for consistent sash widths.

15. Quotation prices

Quotation prices do not include VAT which will be charged at the rate applicable at the time of delivery. Prices quoted are subject to Howarth's Standard Terms and Conditions of Sale.

16. Deliveries

All ancillary purchases are subject to a post and packing charge. Orders of £1,000 or less will be subject to a delivery charge.



NOTE: All triple glazed frames now include low-E 44mm glazing.