

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS

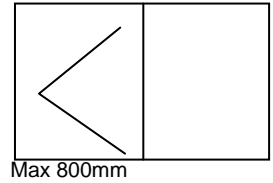
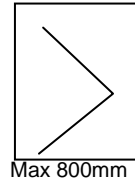
Title: *uPVC Window*

Sheet No.: TSS02

Rev: B

Date issued: 09.01.06

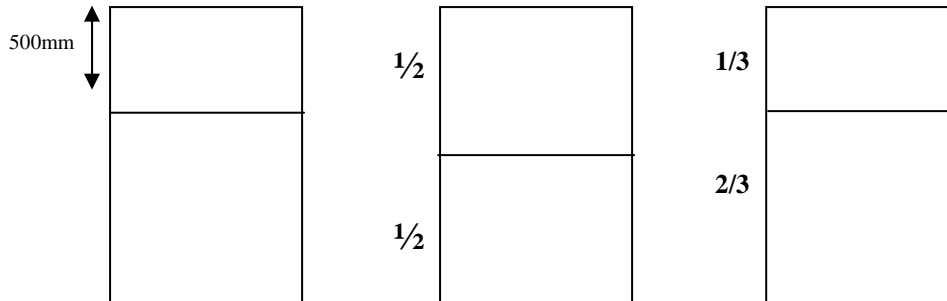
Maximum split for side hung sash 800mm(w)
 Maximum split for top hung sash 1100mm(w) x 600mm(h)
 Maximum height of any sash 1500mm(h) x 800mm(w)



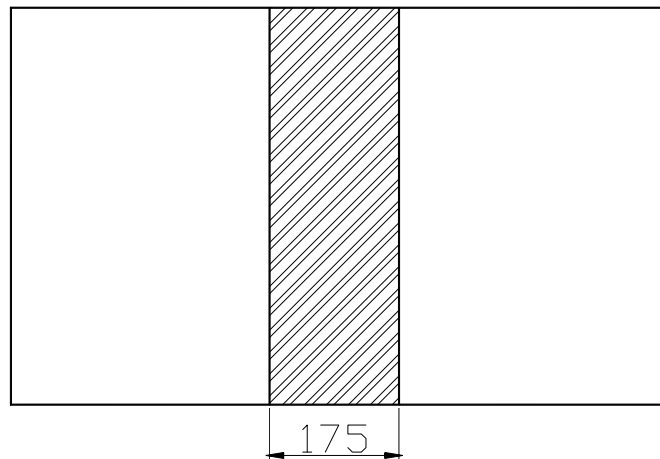
Minimum size of manufacturable non opening window 250mm x 250mm
 Minimum size of manufacturable opening window 350mm x 350mm

Standard split for top hung sash 425mm high
 Standard split for side hung sash 610mm

(Note; Split is measured from outside edge of frame to centre of transom or mullion)
 Any off standard split must be indicated on the sketch of the individual item on the contract.
 All height splits must be specified from the top of the window.
 In the case of Fire Escape Windows, F.E.W. Splits must not be mixed with other special splits,
 e.g.



When using a panel in a window to cover internal blockwork or partitions a split of 175mm is required:



CILLS

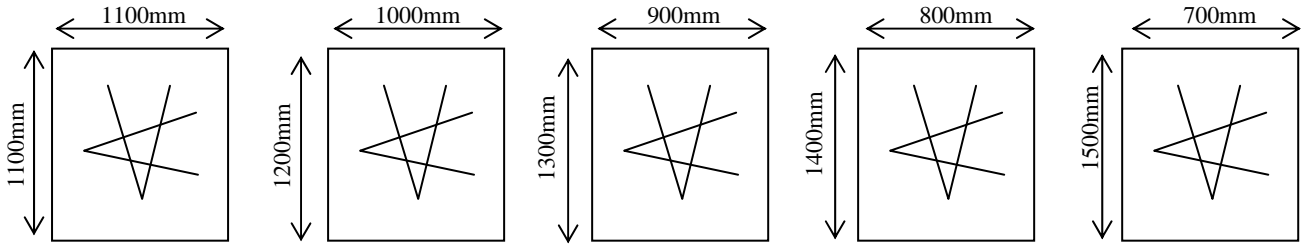
uPVC cill available in 92mm, 120mm, 150mm, 180mm and 200mm
 White, Woodgrain, Golden Oak, Black, Grey and Ivory
 All cills are available with windowboard receivers

Height of uPVC cill 30mm

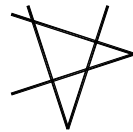
TILT AND TURN WINDOWS (NOT AVAILABLE IN SCOTIA)

Minimum manufacturable size for a Tilt & Turn Window 500mm(w) x650mm(h)
 Maximum manufacturable width for a Tilt and Turn sash 1100mm x 1100mm

This may be varied by decreasing the widths in increments as the height is increased e.g.



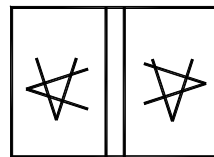
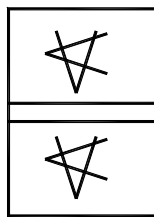
Using the following symbols for handing of T&T windows:



Hinged on Right from Outside



Hinged on Left from Outside

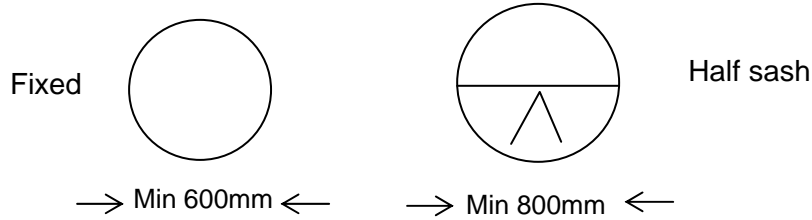


Where adjacent sashes are required they must be separated by lockrail as shown above to ensure correct operation of the Tilt & Turn mechanism

Off Standard PVC Windows

Minimum manufacturable bullseye window with no opening
 Maximum manufacturable bullseye window with no opening
 Minimum manufacturable bullseye with a half sash
 Maximum manufacturable bullseye with a half sash

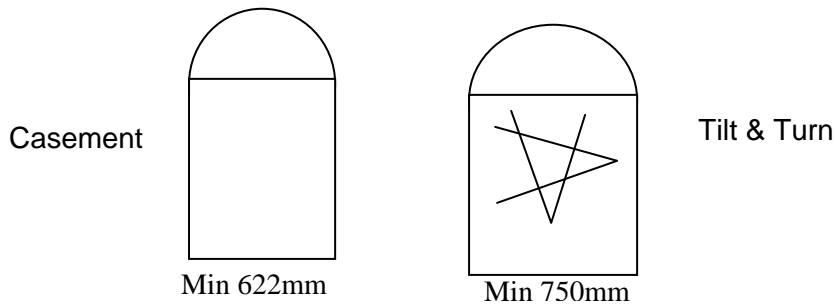
622mm diameter
 1500mm diameter
 800mm diameter
 1000mm diameter



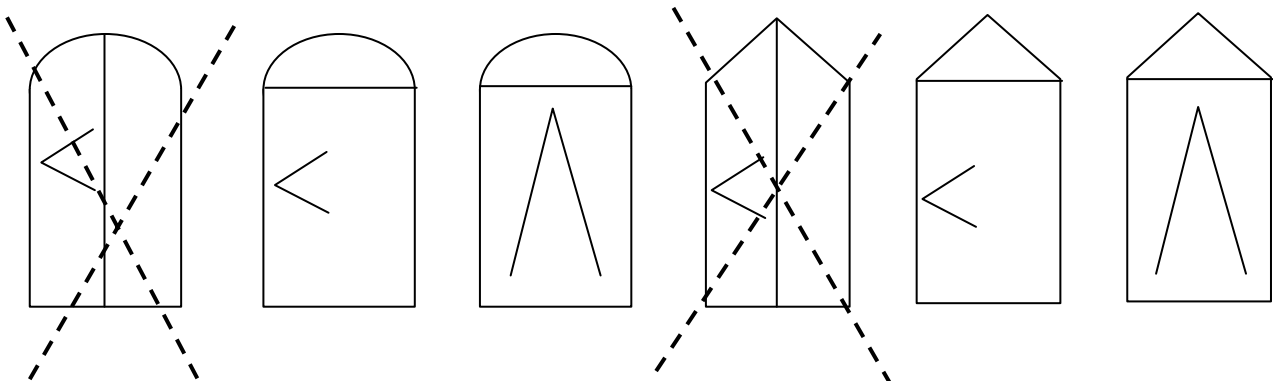
Arch and Angle Windows

Minimum manufacturable arch window
 Minimum manufacturable Tilt & Turn arch window

622mm
 750mm



Arch and angle sashes are difficult to manufacture and should be avoided if at all possible. The Technical Office must approve all windows with arch or angle sashes before the customer signs the contract. Do not use solid bars in arches – Georgian effect only for sunbursts etc.



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Title: *uPVC Window*

Sheet No.: TSS02

Rev: B

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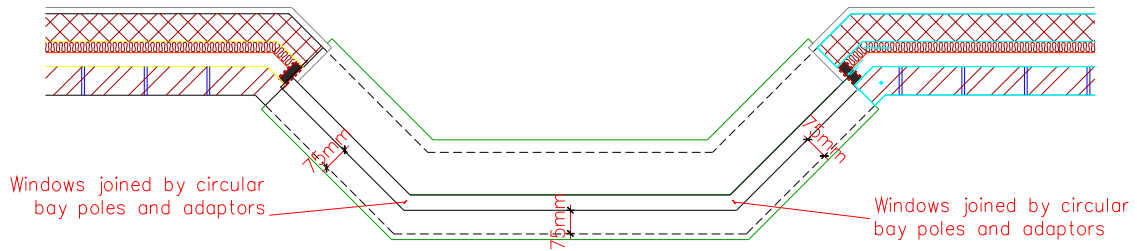
Bays and Bows

Minimum width of bay wing – fixed 310mm

Minimum width of bay wing – opening 410mm

Bay/Bow sheets for all bays and bows must be filled completely.

The overall width of splayed bays must be supplied – this is a vital check measurement.



Bay Window Plan.

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MUNSTER JOINERY UK uPVC WINDOW SPECIFICATION

The Munster Joinery UK uPVC window is available in a range of top hung, side hung and combination window configurations to allow flexibility of design.

RAW MATERIAL

The window is manufactured from multi chamber profiles extruded from a high impact strength modified PVC compound. It complies with UEAtc Technical Guide for the Agreement of Windows in PVC U, MOAT NO. 17: 1990, category B, PVC U with polymer additives. The system has been assessed by the British Board of Agreement – Ref. BBA Assessment report No. 1119.

REINFORCEMENT

The window uses Aluminium reinforcing extruded from 6063 alloy to BS 1474: 1987 specification for wrought Aluminium alloys for general engineering purpose bars and sections.

FURNITURE AND FITTINGS

Casements are hung with friction hinges made from stainless steel type 430 to BS 1449: Part 2: 1983 Steel plate, sheet and strip – Specification for stainless and heat resisting steel plate, sheet and strip. The hinges incorporate friction pads that can be adjusted to provide the necessary braking action. Replacement hinges are available from MUNSTER JOINERY UK .

Opening windows are fastened by means of locking handles manufactured from zinc alloy and available with various finishes. The handles operate concealed espagnolette bolts to centrally lock the window. A restrictor is available to limit the opening of the window to 100mm. All furniture is screwed to the profile using non-corrodible self-tapping/drilling screws. The screws penetrate through two chamber walls or the equivalent thickness of uPVC to give a secure fix. Replacement handles are available from Munster Joinery UK.

GLAZING

Windows are supplied factory glazed with double glazed units of 24mm thickness. The units are Argon filled as standard for improved thermal performance and can be specified to incorporate low emissivity Pilkington K glass. In this configuration (i.e. 4mm float – 16mm Argon filled gap – 4mm K glass) the unit will give a U value of 1.6 W/m²K. The unit uses a bent and welded spacer bar (eliminating joints through which water vapour may penetrate) filled with high-grade molecular sieves. A primary PIB (Polyisobutylene) seal is applied coupled with a polyurethane outer seal to ensure a long life unit.

The double glazed unit is exclusive to MUNSTER JOINERY UK and carries a BSI kite mark to BS5713: 1979 Ref. Kite Mark Licence No KM 35146. The unit can incorporate toughened safety glass where required for the critical areas set out in the building regulations. The BSI classifies the toughened glass used as BS6206 class A Ref. Kite Mark Licence No. KM 30858.

The unit is glazed into the window using a security glazing tape, positioned on plastic packing pieces and externally beaded. Testing has shown that the adhesion provided by the tape is adequate to resist intrusion in line with the requirements of BS7950 (BSI PC PAS 011: 1994 Improved security performance of domestic windows Method of Test and Assessment). This glazing system has been approved by the BBA. Ref. BBA Agreement Certificate No. 95/3199.

BUILDING REGULATIONS

- a) **Means of Escape in Case of Fire.** Where a window is required to provide a means of escape in case of fire, Munster Joinery UK uPVC window can meet the requirements when it incorporates an opening light providing a clear opening not less than 450mm high X 735mm wide with a minimum area of 0.33m² and is positioned as required by BS5588 Part 1: 1990 Code of practice for Residential Buildings.
- b) **Means of Ventilation.** The window can be readily designed to meet the rapid ventilation requirement of this regulation. Two window ventilators are available for use with the window that can achieve the background ventilation requirement of the regulation given appropriate window design.
- c) **Conservation of Fuel and Energy.** The uPVC window when glazed with a 4-16-4 Argon filled double glazed unit with K glass has a certified U-value of 1.9 W/m²K. This readily complies with the requirements of Part L of the Building Regulations.
- d) **Protection from Falling.** The window can be glazed so as to meet the requirements of Approved Document K2 where window openings come within 800mm of floor level. Where the window contains an opening section coming below 800mm, however, permanently fixed guarding must be put in place.

INSTALLATION

Trained Munster Joinery UK personnel install the window.

Where no cavity closers are in place the window is fixed into the opening by means of galvanised steel fitting straps fixed to the frame and attached to the masonry by means of proprietary fixings. The fitting strap must be positioned not less than 150mm from the corners and at centres to suit the window size.

Where cavity closers are in place the window is bead fixed to the cavity closer which is strap fixed to the masonry.

QUALITY

- The window is manufactured under an EN/IS/ISO9002 approved Quality System
- The window is subject of BBA certificate No. 98/3485/C
- The window has BBA Enhanced Resistance to Intrusion Certification and has been tested to BS7950
- The window is subject of a Secured by Design Licence issued by ACPO Crime Prevention Initiatives Limited.
- The cavity closer is the subject of BBA Certificate No. 02/3957
- The Double Glazed units used are BSI Kite Mark certified to EN1279 – Ref Kite Mark Licence No. KM52169
- The toughened safety glass used is BSI Kite Mark certified to BS6206 – Ref Kite Mark Licence No. KM52172

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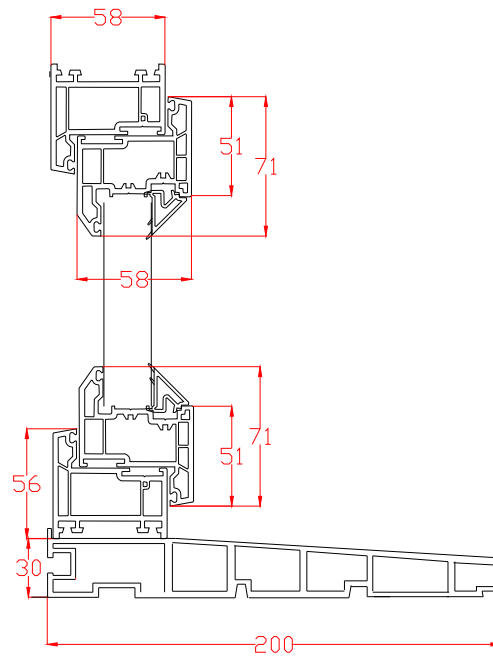
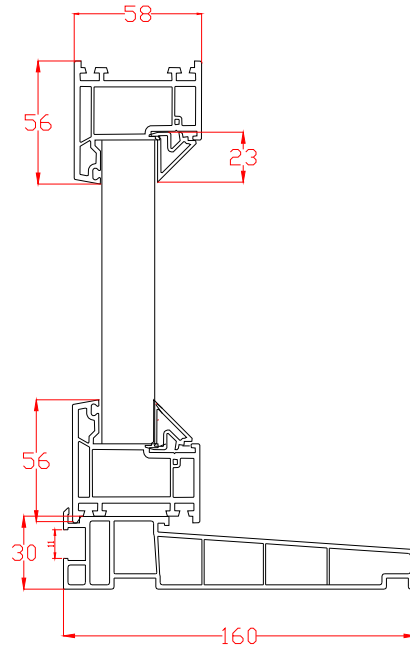
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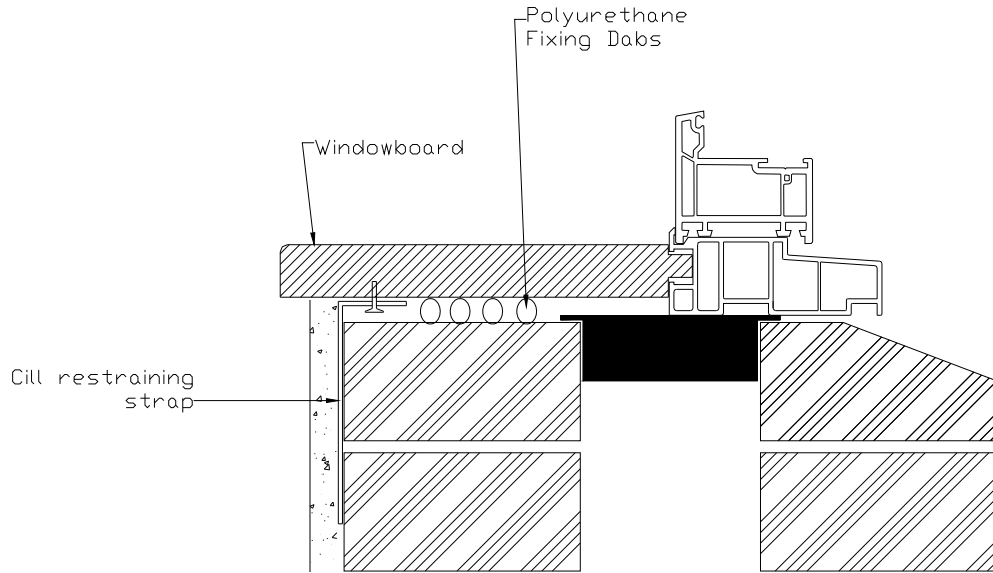
Date issued: 09.01.06

Typical uPVC Window Sections

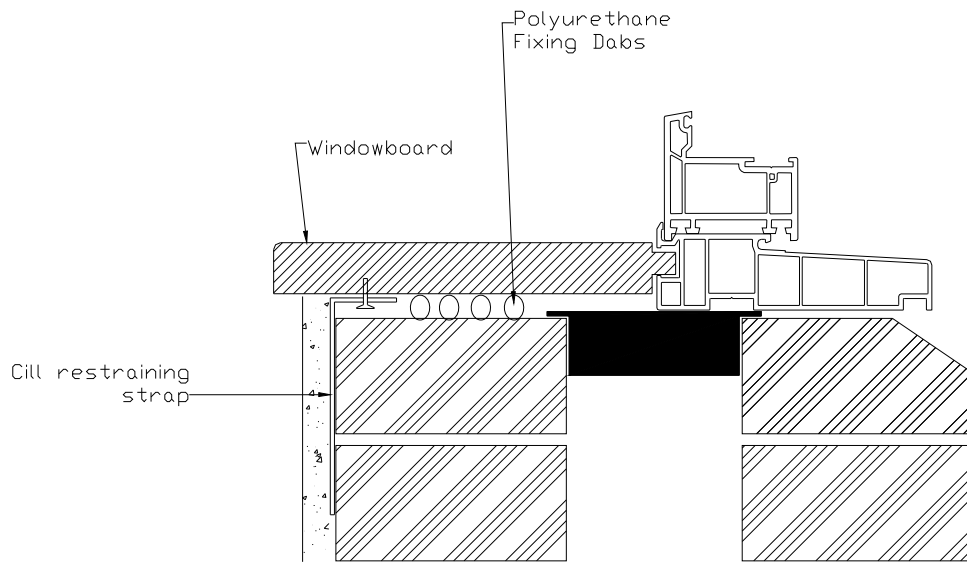


PVC Cill Details

Stub Cill



120mm Cill



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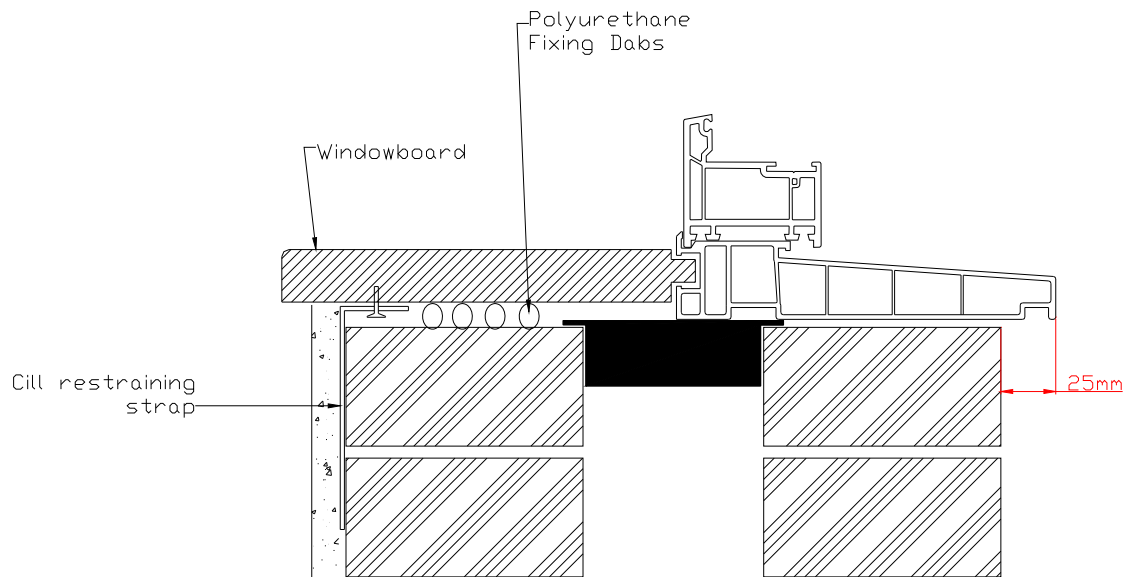
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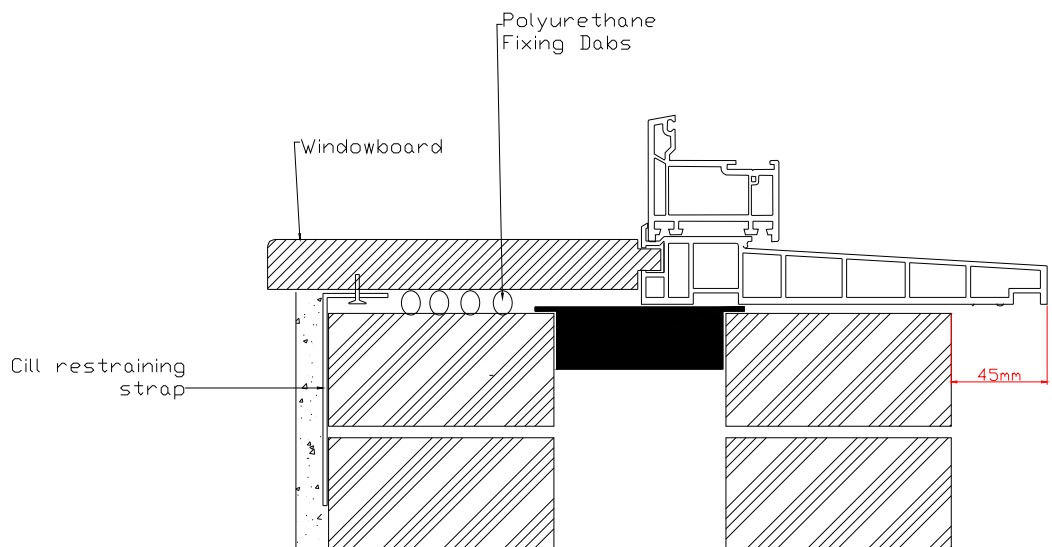
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160cm Cill



180mm Cill



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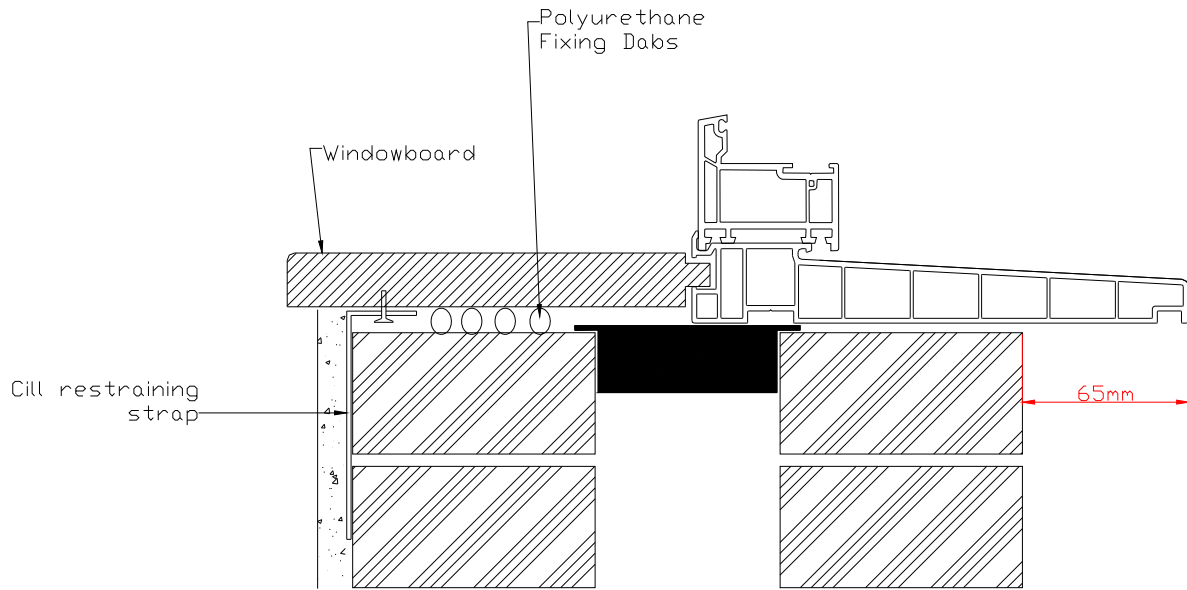
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200mm Cill



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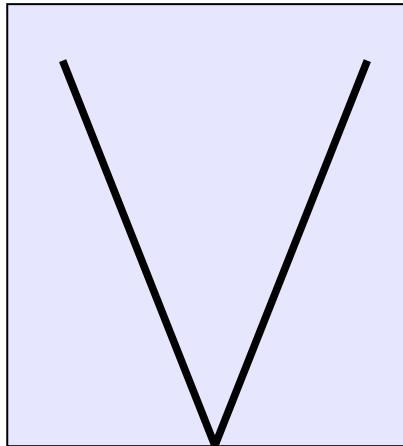
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A.O.V Windows

Open out
All Bottom Hung



MAX SIZE

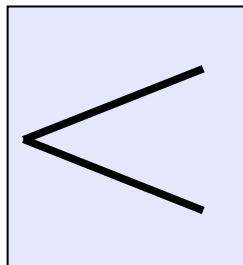
Ope Size - 1247(w) x 1500(h)
Window Size - 1240 x 1495 incl cill
Clear opening - 1.526m²

PROFILE :
HINGE :
VENT :
HANDLE :
RESTRICTORS :

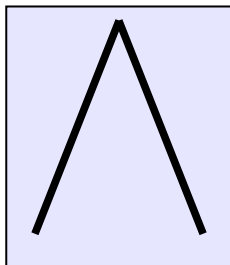
CASEMENT
90° FE (Gold)
No Vent
No handle
Std either side of bottom of sash
Quick release either side of top of sash

O.V Windows

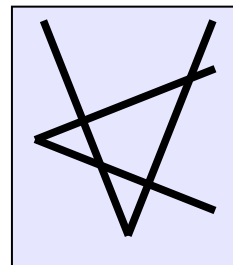
Open out
must give
clear ope
of 1.2m²



915x1350mm max



1000x1200mm max



1100x1100mm max

PROFILE :
HINGE :
VENT :
HANDLE :
RESTRICTORS :

ANY
ANY
If required
Non-locking handle
Quick release (If required)

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETS

Title: *PVC Doors*

Sheet No.: TSS06

Rev: B

Date issued: 09.01.06

Glazed PVC Doors

Maximum Width 1050mm
Minimum Width (Part M) 970mm
Maximum Height 2250mm overall incl cill

PVC Doors with infill panels

Maximum Width 1050mm
Maximum Height 2200mm overall incl cill
Minimum Width 850mm
Minimum Height 1880mm overall incl cill

PVC Double Doors

Minimum Width of D/Doors 1610mm – (with infill panels)
Maximum width for D/Doors 1800mm

Part M Doors

To comply with part M of the Building Regulations in regard to disabled access:

1. PVC Doors must have a width of 970mm
2. The Floor must be cut to allow the threshold to be sunk 40mm into the floor
3. PVC Double Doors which are 1800mm in width will comply
4. Part M compliant doors cannot have uPVC cills fitted

Letterboxes

A door unit with a single sidelight must be at least 1400mm wide to accommodate a letterbox in the sidelight

A door unit with a double sidelight must be at least 1860mm wide to accommodate a letterbox in the sidelight.

Points to Remember :

Any Door over 2250 in height must have a fanlight

Floor must be cut to allow threshold to be sunk into floor – 40mm for Part M door

No Dummy Bars on Doors

Black, Grey, Golden Oak and Woodgrain doors must have a lockrail to prevent warping

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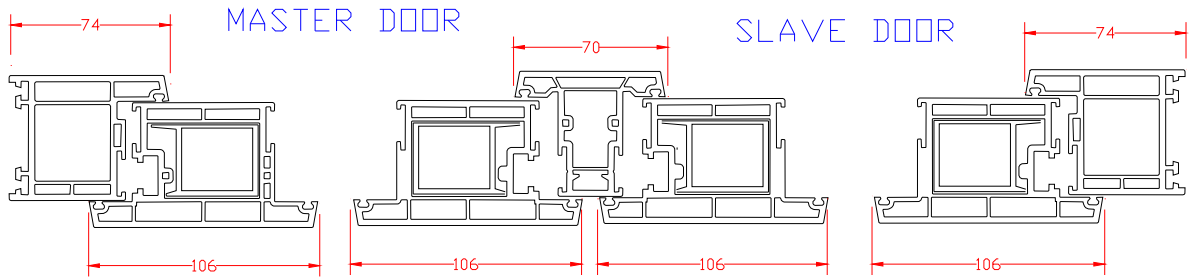
Title: *PVC Doors*

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uPVC DOUBLE DOOR DETAIL



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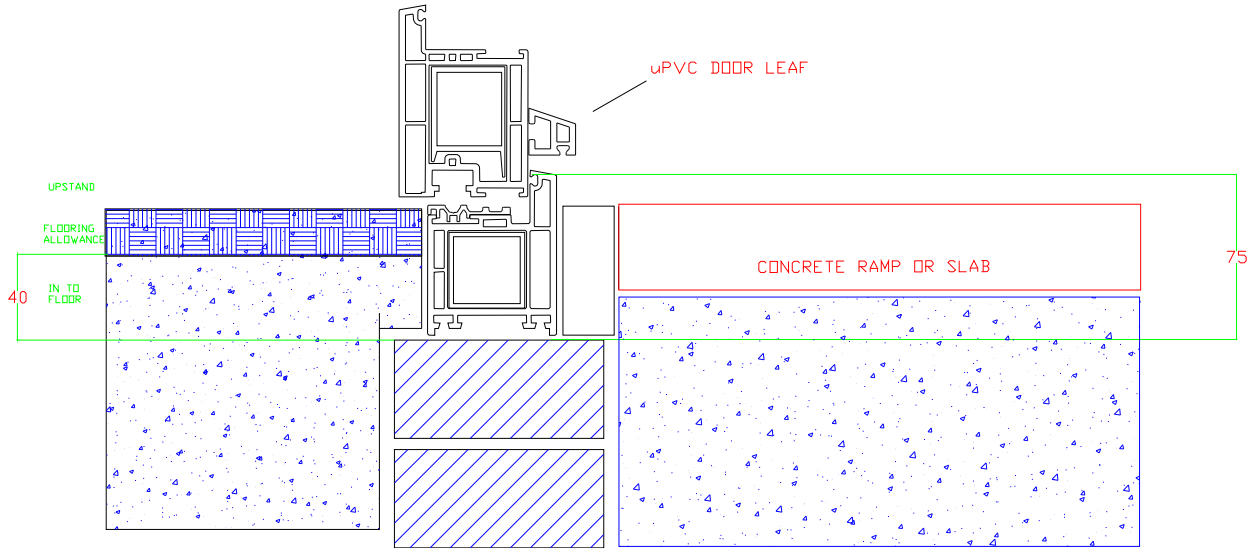
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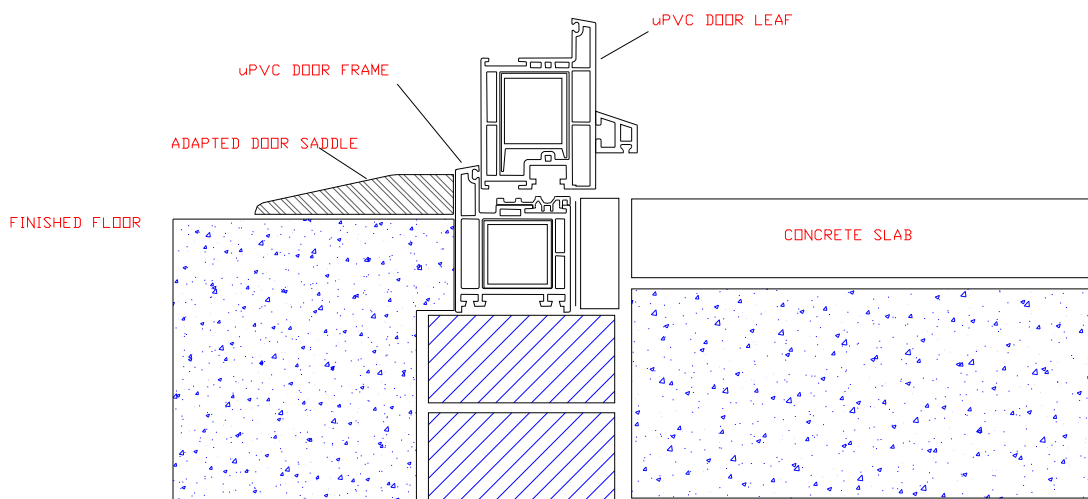
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PVC INWARD OPENING DOOR - PART M THRESHOLD DETAIL



PVC OUTWARD OPENING DOOR – PART M THRESHOLD DETAIL



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MUNSTER JOINERY UK LIMITED uPVC DOOR SPECIFICATION

RAW MATERIAL

The door is manufactured from multi chamber profiles extruded from a high impact strength modified PVC compound.

REINFORCEMENT

The door uses Aluminium reinforcing extruded from 6063 alloy to BS 1474: 1987 specification for wrought Aluminium alloys for general engineering purpose bars and sections.

FURNITURE AND FITTINGS

Doors are hung on three 110mm zinc die cast butt hinges with stainless steel hinge bolt. All doors come fitted with a multi point locking system. This consists of a reversible latch bolt, a series of adjustable cams and a protector bolt operated by lever handles and a five-lever cylinder dead lock.

CONSTRUCTION

The door uses heat-welded joints and is double rebated. Both door and frame carry EPDM seals to ensure weathertightness.

INFILL PANELS

The door may be supplied either with a full or part infill panel or fully or partially glazed. The panel used is of 24mm thickness comprising 2 No. 1.8mm uPVC skins separated by foam. The uPVC sheeting, from which the skins are formed, is supplied by Veka. The foam is an extruded polystyrene foam containing a halogenated flame retardant system from the Dow Chemical Company.

GLAZING

Doors are supplied internally glazed with double glazed units of 24mm thickness. The units are Argon filled as standard for improved thermal performance and can be specified to incorporate low emissivity Pilkington K glass. The double glazed unit is exclusive to Munster Joinery UK and carries a BSI kite mark to BS5713: 1979 Ref. Kite Mark License No KM 35146. The unit incorporates toughened safety glass certified to BS6206 class A Ref. Kite Mark License No. KM 30858.

QUALITY

The door is manufactured under an EN/IS/ISO9002 approved Quality System.

MUNSTER JOINERY UK LTD. - TECHNICAL INFORMATION SHEETSTitle: **Glass**

Sheet No.: TSS07

Rev: B

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GLASS TYPES IN STOCK

Glass Type	Thickness	Notes
Clear	4mm	
Laminated	6.4mm	
Pilkington K-glass (Low E)	4mm 6mm	
Anti-Sun	4mm	
White Everglade Stippolyte White Leaf Flemish	4mm	1320mm x 2100mm is the maximum sheet size
Square Qualage Diamond Qualage	4mm	Cannot be toughened
Leaded	4mm	In patterns as diamond qualage or square qualage – assumed 1 sided unless other specified
Acoustic glass	Various See acoustic details attached	Only by agreement with technical department
Red Square Qualage	4mm	Maximum unit height 1220mm Cannot be toughened
Georgian Wire – Clear Georgian Wire – Obscure	6.4mm	Cannot be cut into difficult shapes

Any other glass types ordered must be approved by our technical department and a week's notice is required in advance of order to ensure the glass is available

BS5713 specifies that the largest unit allowable using 4mm glass and 16mm spacer bar is to have a maximum area of 3.17m² with a maximum longer side of 2440mm and a maximum shorter side of 1300mm.

For glass to be toughened one side of the unit cannot be greater than 1500mm e.g.

A pane 1500mm x 2000mm can be toughened

A pane 1600mm x 2000mm cannot be toughened

(Note larger panes of toughened tend to demonstrate more pronounced optical variations)

The following types of Georgian effect are available;

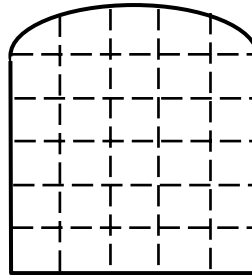
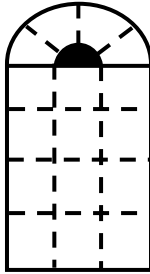
19mm Aluminium bar in White, Grey, Black, Brown, Ivory and Golden Oak

White 25mm Aluminium bar – single bar only – no cruciform

Plant on – single bar only – no cruciform

Any Georgian effect, which is of an off standard design, must be faxed to the technical office for approval before the customer signs the contract.

When ordering arched windows with Georgian effect indicate the Georgian design required in the arch.



Double Glazed Unit Configurations

PVC Windows	4 – 16 – 4	24mm unit
PVC Patios and Doors	4 – 16 – 4	24mm unit
Ecotherm Aluminum Windows and Doors	4 – 16 – 4	24mm unit
Hardwood Doors	4 – 8 – 4	16mm unit
H/Wood Door with Georgian Effect	4 – 10 – 4	18mm unit
Prestige Hardwood Windows and Doors	4 – 16 – 4	24mm unit
Nordic Pine Windows and Doors	4 – 16 – 4	24mm unit

U – Value of Double Glazing

The U-Value of a double glazed unit is a measure of the energy transmitted from one side to the other per unit area and per degree temperature difference between the glass faces. This varies for different unit configurations and obviously the lower the U-Value the more thermally efficient the unit is. The main factors that affect the U-Value are

1. The width of the unit cavity
2. The gas with which the cavity is filled
3. The type of glass used

The optimum cavity width is approximately 16mm.

Argon has a lower thermal conductivity than air so filling the cavity with an inert gas such as Argon reduces heat loss through the glazing.

Use of a Low emissivity glass such as K glass can further reduce the U value to give a better thermal performance than traditional triple glazing. This is a low emissivity glass which has a specially formulated pyrolitic coating applied to one surface during manufacture. The coating reflects long wavelength energy back into the building while permitting solar energy from outside to be admitted so in effect trapping the energy inside the building. When used as the inner pane of a double-glazing unit low emissivity glass has two very positive effects

1. It dramatically improves the thermal performance of the unit
2. It reduces the risk of condensation by presenting a warmer surface to the room

The Argongold unit with K- glass combines the optimum cavity width (16mm) with a low conductivity gas (Argon) with the benefits of a low emissivity glass to give a U- value of 1.5 W/m²K This type of U-value is significantly better than that previously achieved using triple glazing which was cumbersome, heavy and relatively expensive.

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Title: Glass

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The following table gives U-values for some common unit configurations – figures taken from a British Research Establishment (BRE) publication but widely available in literature on the subject :

Unit Configuration	U – Value (Watts/metre ² Kelvin)
4 – 12 – 4 air filled	3.0
4 – 16 – 4 air filled	2.9
4 – 12 – 4 Argon filled	2.7
4 – 16 – 4 Argon filled	2.6
4 – 12 – 4 Argon filled K inner pane	1.7
4 – 16 – 4 Air filled K inner pane	1.7
4 - 16 – 4 Argon filled K inner pane	1.5
4 – 16 – 4 Argon filled Low E soft coat	1.1

Figures quoted are U – Values for Double Glazed units – not for windows

Double-glazing for sound insulation

The Argongold double glazing unit has been developed primarily to maximise the thermal insulation provided by the window. By judicious design it is also possible to achieve moderately high acoustic insulation. The main principle to employ is the use of glasses whose thickness differs by at least 30% so broadening the range of frequencies that are suppressed. Using this principle we can provide a unit with 4mm glass on one side and 6mm on the other which will give a noise reduction co-efficient R_w of 34dB. Here are some other configurations that can be used:

Unit Configuration	Traffic R_{tra}	Voice R_w	Accepts Georgian	Part L Compliant
4 – 16 – 4 K glass	25dBA	31dB	Yes	Yes
6 – 12 – 6 K glass	26dBA	33dB	Yes	No
4 – 14 – 6.4 Laminated	29dBA	35dB	Yes	Yes
8 – 10 – 6.4 Laminated	30dBA	36dB	Yes	No
10 – 10 – 4 K glass	30dBA	36dB	Yes	No
10 – 8 – 6	32dBA	38dB	No	No
10 – 10 – 6 K glass	32dBA	36dB	Yes	No
10 – 10 - 6	32dBA	36dB	Yes	No
10 – 8 – 6.4 Laminated	34dBA	40dB	No	No
10 – 8 – 8.4 Stadip Silent Note: Cannot be used in PVC patios – PVC windows and doors only	37dBA	42dB	No	No

Note most of these configurations, including 6mm K glass, involve an additional cost.

This chart gives guidelines only. The sound consultant for the project will provide a unit specification to achieve the required insulation values where this is possible within the limits of a 28mm double glazed unit.

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UNIT LIFE

Unit life is determined by its impenetrability to water and its ability to absorb any moisture that may penetrate the cavity. An excellent design, high quality materials and advanced technology are used to ensure the long life of the Argongold unit

The primary seal produced from polyisobutylene polymer provides a moisture barrier between glass and spacer bar. It combines excellent adhesion to glass and Aluminium with a very low moisture transmission rate.

A polyurethane final seal is used. The exceptional chemical properties of this sealant give a unit whose expected life is much longer than that of a unit sealed with commonly used Polysulfide sealants.

The most technologically advanced production line available today is used to bend and weld aluminium spacer bar eliminating traditional joints and ensuring a moisture free cavity.

The “endless” spacer bar is filled with high activity molecular sieves to ensure the cavity stays dry throughout the life of the unit.

QUALITY

A wide range of Quality Control tests are carried out in our fully equipped laboratory to ensure conformance with the requirements of BS EN 1279

The Argongold unit has been awarded the prestigious Kite Mark by the British Standards Institute – Ref Kite Mark Licence No. KM52169

Toughened safety glass is manufactured to the requirements of BS6206 Class A – Ref Kite Mark Licence No. KM52172

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Title: - *The Ecotherm Aluminium Window*

Sheet No.: TSS23

Rev: B

Date issued: 09.01.06

The following doors cannot be made in off standard widths:

The Nore, The Carolina, The Boyne

The following doors cannot be double-glazed:

The Corrib, The Carolina

Sheeted Doors – Sheeted on one side only, as sheeted both sides puts too much stress on the hinges

Standard Sizes for 4 Point Locking Doors

A standard 2' 8" x 6' 8" door – 812mm x 2032mm - can be used to give the following **overall** (including frame) sizes:

890mm x 2108mm overall including cill

915mm x 2121mm overall including cill

940mm x 2134mm overall including cill

A standard 2' 10" x 6' 10" door – 863mm x 2082mm - can be used to give the following overall (including frame) sizes:

940mm x 2158mm overall including cill

965mm x 2171mm overall including cill

990mm x 2184mm overall including cill

These sizes may be used in combination within each door group e.g.

For 2' 8" x 6' 8" - 812mm x 2032mm

For 2' 10" x 6' 10" - 863mm x 2082mm

890mm x 2121mm or 940mm x 2108mm

965mm x 2158mm or 990 x 2171mm

Templates

Standard softwood Templates will be supplied to builders to work with our standard door sizes.

Part M Doors

To comply with part M of the Building Regulations in regard to disabled access:

1. A standard hardwood door 940mm X 2108 overall incl cill will comply. **However we recommend door dimensions of 965mm X 2108mm overall incl cill.**
2. The Floor must be cut to allow the threshold to be sunk 13mm into the floor

4 Point Locking

Minimum height including frame

1930mm overall including cill

Maximum height including frame

2209mm overall including cill

Any doorframe over 2209mm overall incl cill (7' 3") in height must have a fanlight

Maximum width for 4point locking door and frame is 990mm overall

Order must indicate whether door opens in or opens out

Double Doors

The following guidelines apply:

Minimum height including frame 1970mm overall including cill

Standard sizes of 4 point locking double door frame with 812mm x 2032mm (2'8" x 6'8") doors is 1705mm wide x 2158mm high overall including cill

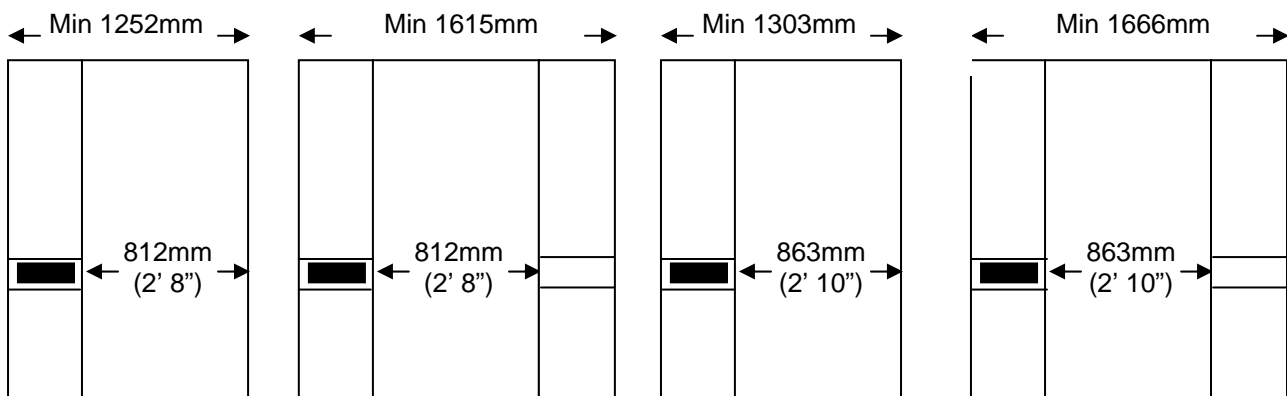
Standard sizes of 4 point locking double door frame with 863mm x 2082mm (2'10" x 6'10") doors is 1805mm wide x 2158mm high overall including cill

Orders must indicate which door opens first and if it opens in or out.

Letterboxes

All doors except the Hollywood can accommodate a letterbox in the midrail.

Contracts must clearly indicate the position of the letterbox. To fit a letterbox in a sidelight, the lockrail must be at least 300mm. The following guidelines apply:

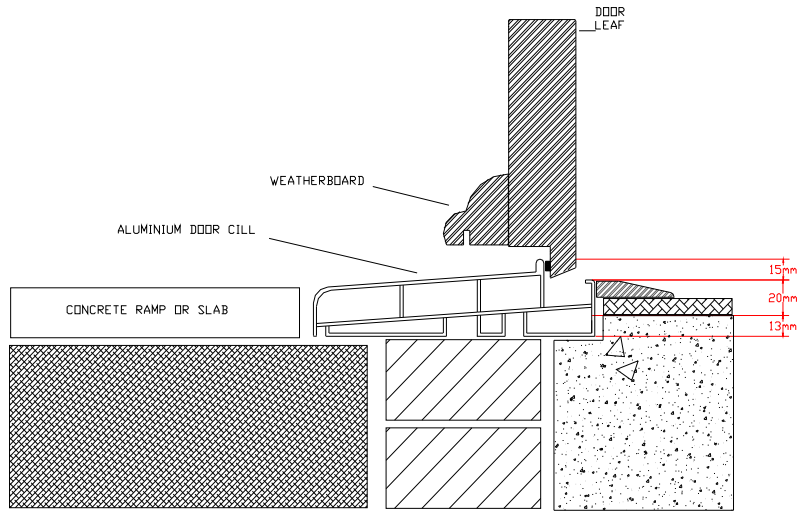


General Points

- Permavents cannot be fitted to 4 point locking doors or units – trickle vents may be used on doors only
- Panic Bolts cannot be fitted to 4 point locking doors
- Order must indicate whether the door is to be treated or not
- Order must specify colour of georgian effect
- If windows are being fitted to hardwood doors order must indicate if windows are hardwood or uPVC.
- The order must include a simple sketch to ensure the door is rebated properly

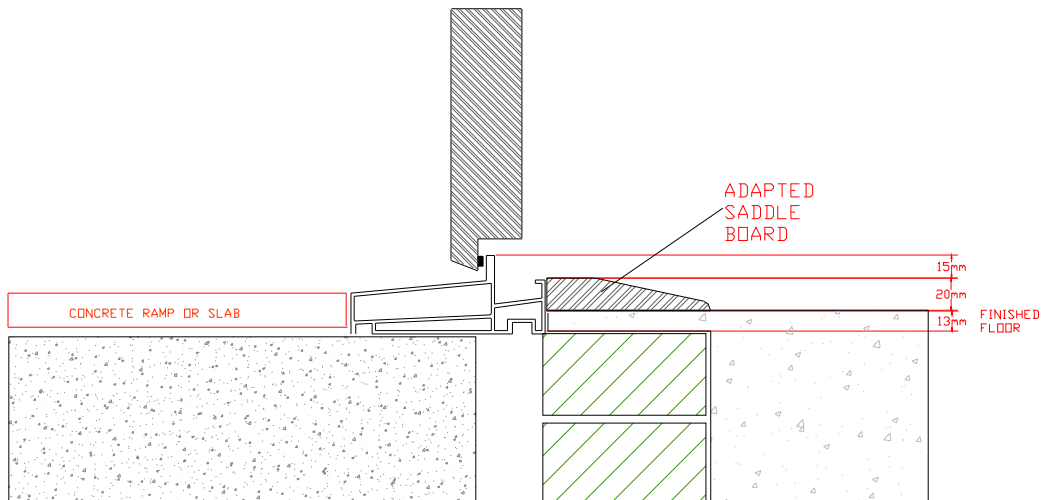
INWARD OPENING TEAK DOOR – THRESHOLD DETAIL

PART M CILL DETAIL FOR HARDWOOD DOOR



OUTWARD OPENING TEAK DOOR – THRESHOLD DETAIL

PART M CILL DETAIL FOR HARDWOOD DOOR



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THE MUNSTER JOINERY UK HARDWOOD DOOR

MATERIALS

The Munster Joinery UK hardwood door is constructed from Iroko that is kiln dried in our own computer-controlled kilns to meet the requirements of IS96: 1976.

Components are machined against the natural warp tendency of the wood so as to give a unique anti warp design. Component edges are contoured for low maintenance.

GLAZING

Hardwood doors are glazed with dual sealed, gas filled double glazed units manufactured to comply with the requirements of BS5713 : 1979. The dual seal consists of a butyl inner seal and a Bostik polyurethane outer seal. The unit is gas filled with Argon gas to provide extra insulation.

Toughened safety glass manufactured to the requirements of BS6206 : 1981 is used in all door glazing.

CONSTRUCTION

Traditional mortise and tenon construction is used to give a strong door. Joints are sealed with water resistant cascamite glue.

The door carries a double rebate and both door and frame have a draughtproofing gasket fitted. An Aluminium threshold is fitted and this is drilled to provide reliable drainage to the outside fitting 13mm into finished floor for sealing purposes

HARDWARE

All doors come fitted with a four point locking system as standard. This consists of a reversible latch bolt, two adjustable cams and a protector bolt operated by lever handles and a double profile cylinder deadlock. The multi point locking pulls the door into a straight position ensuring effective draughtproofing and protection against warp over the lifetime of the door. The protector bolt projects 20mm into the doorframe giving the locking system added strength.

The door is hung on three brass finished, steel body, quick hinges which are adjustable to allow perfect door to frame alignment.

QUALITY

The door is manufactured under an approved Quality system by an EN/IS/ISO9002 registered company.

The door has been tested for weathertightness to the requirements of DD171 by the Trada Technology Limited and its performance was found to exceed the requirements of the highest classification in that standard - ref Trada Report No. TMT/F94017.

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CARE & MAINTENANCE

Treating of any timber product is very important and if carried out properly will ensure a long life for your door. The door has a base harmonising stain applied in the factory that blends in colour variations in the door but does not give any significant weather protection. It is very important therefore to treat the door immediately following installation as it will be damaged either by excess moisture absorption during wet weather or by drying out and cracking if overexposed to sunshine.

As a first treatment we would recommend application of a minimum of three to four coats of a good quality finishing product such as Bondex or Sadolin. A good quality yacht varnish such as Spinnakers also gives very good protection. Observe manufacturers instructions closely. A single coat should be applied annually subsequently. A light grease such as Vaseline should be applied to the locking gear along the length of the door annually to prevent corrosion.