



# TIMBER WINDOWS AND DOORS



# WELCOME TO INTERNATIONAL WINDOWS GROUP

a company that has revolutionised the way timber windows and doors are manufactured for the UK housing market. We have chosen timber as the raw material for our products as it is natural, looks great and also has excellent thermal and infiltration properties. Greenpeace research has proved that 'timber windows are by far the best environmental choice'. International Windows Group offers a solution that is both superior in quality and the most environmentally friendly.



- ✓ International Windows Group is a specialist in the sale of excellent quality, bespoke timber windows and doors to the UK property market.
- ✓ Manufactured in softwood or hardwood as standard, our products are factory finished and delivered ready-to-install.
- ✓ International Windows Group offers quality materials and excellent ironmongery as well as superior manufacturing techniques all at a competitive price.
- ✓ Our extensive product portfolio includes sliding sash, casement, tilt and turn windows and front doors, French and bi-folding doors.
- ✓ All our products represent the "state of the art" in the construction woodwork industry. They are designed for a variety of applications and can be used in new houses, renovations and extensions suiting stylish modern properties and historical buildings alike.
- ✓ Our versatility enables us to create any size and design of window, according to each client's requirements..
- ✓ All our products are compliant with environmental legislation and come with extensive guarantees and long term warranties to ensure customers have absolute peace of mind.



## Timber - the best solution for our clients

### ■ Superior qualities of timber

Timber is a proven construction material that has been used in a number of ways for many centuries. It is strong for its weight making it both a reliable and flexible building material.

Timber has a unique, natural appearance and gives a warm inviting atmosphere to any building.

Timber is also an excellent insulator conducting less heat, noise and electrical current giving it acoustic and safety as well as environmental benefits.

### ■ Superior production methods

International Windows Group products have great dimensional stability as a result of our unique finger joint technique.

During manufacture we remove all the defects in our timber which gives our windows and doors a smooth and perfectly finished surface.

Timber is a long lasting material if carefully chosen, seasoned and deeply impregnated. Our windows are made of the highest quality timber and are seasoned in special chambers with automatically controlled conditions.

Our flow coating method destroys all bacteria and fungi within the timber and provides a durable 3mm protective layer.

### ■ Cost savings

The consumption of energy is significant in the choice of material for windows and doors. Timber's excellent insulating qualities greatly decrease the rate of heat loss. Our windows with a U value of 1.1 W/m<sup>2</sup>K exceed the industry standard of 2.0 W/m<sup>2</sup>K signifying even greater savings on energy costs. Our windows also meet all infiltration standards allowing the required amount of airflow to enter the room, thus preventing humidification.

### ■ Compliant with legislation

The use of timber in the construction industry is increasingly demanded as part of the government's commitment to the environment. All International Windows Group' products are compliant with environmental legislation and as such we provide a solution that is both superior in quality and the most environmentally friendly.

## Timber - the best solution for the environment

**It is proven that, ecologically and environmentally, timber is the best product to use in the construction of doors and windows.**

Timber is our planet's only renewable material used in the production of window frames and doors, providing it is sourced from properly managed forests. International Windows Group' timber is sourced from sustainable forestry in North-Eastern Europe and is identified under an independent certification scheme.

Independently, we also have an ongoing

agreement with the local forestry commission that commits us to planting one tree for every window produced by International Windows Group.

In Europe there are now more trees than there were a century ago and the number is continually growing. Softwoods in particular grow rapidly and their supply is being quickly replenished. The increasing forest resources provide us all with more oxygen and lock in greater amounts of carbon dioxide.







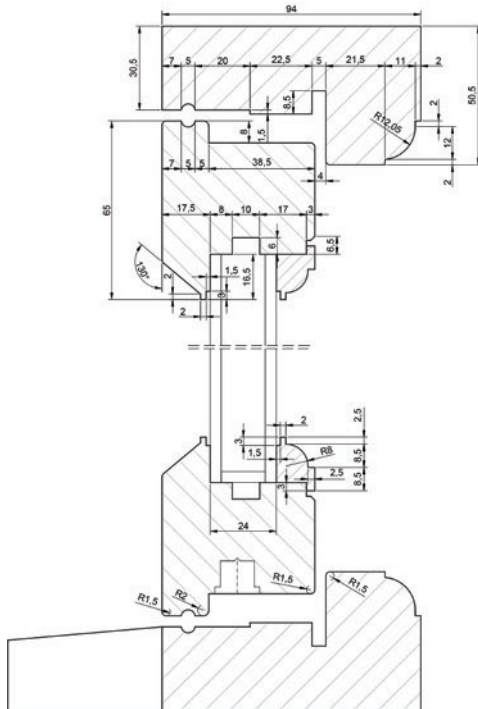
## Flush

Flush windows originate from the 1820's and are generally chosen for aesthetic purposes. Today's flush windows contain modern engineering such as multiple point locking systems, friction hinges, trickle vents, double glazing units and drainage channels which considerably improve performance whilst maintaining their original appearance.

## Stormproof

Stormproof windows are characterised by their rebated sashes which overlap with the face of the frame. Stormproof windows were designed to improve on previous weathering systems and have now become a popular base for the design of modern plastic and aluminum windows. Whilst having a different aesthetic appeal stormproof windows deliver an enhanced weathering performance.

Casement Window drawing



## Product features (standard)

- Multi-layer (laminated) hardwood or softwood without knots
- 4 stage process for factory finish including wide range of standard colours RAL9010
- Hidden espagnolette locking
- Friction and easy dean hinges
- Standard double glazing (thermfloat + argon gas Low "E") U-value 1.1 w/m<sup>2</sup> for unit glass
- Internally beaded for security
- Silicone sealed for ultimate weathering protection
- Double gaskets
- Aluminium locking handle Flying or fixed mullions

## ADDITIONAL EQUIPMENT

- ✓ Night vent system
- ✓ Egress hinges compliant with fire escape regulation
- ✓ External dll extensions
- ✓ Window bars
- ✓ Dummy sash to fixed areas
- ✓ Glass options

# Casement windows

**A traditional window which the sash is side hung with stays allowing it to be hinged vertically from one side and outwards from the opposite side.**

The traditional outward opening casement window is available in both flush and stormproof styles for any configuration of side hung or top hung window.

International Windows Group' use of the highest quality raw materials, advanced manufacturing techniques combined with our unique product features make this traditional window superior in performance, durability and security.



# Eurowindows (tilt and turn)

**International Windows Group' tilt and turn windows give a free view, easy access to both sides for cleaning and effective ventilation. This type of window also provides excellent protection against the weather.**

A dual function mechanism enables tilt and turn windows to be opened in two ways. They can be fully opened inwards from the side, providing free view and easy access to both sides for cleaning and they can also be tilted inwards at the top to allow for effective ventilation. International Windows Group' tilt and turn windows are easily operated with a three-positions handle. Our tilt and turn windows fully comply with fire escape regulations.

## Product features (standard)

- Multi-layer (laminated) hardwood or softwood without knots
- 4 stage process for factory finish including wide range of standard colours
- Hidden espagnolette locking
- Tilt and turn, inside opening
- Night vent system
- Standard double glazing (thermofloat + argon gas Low "E") U-value 1.1 w/m2 for unit glass
- Internally beaded for security
- Silicone sealed for ultimate weathering protection
- Double gaskets ■ Fully drained and vented
- Aluminium locking handle
- Wooden plant on aluminium drainage cill from outside
- Flying or fixed mullions
- Compliant with fire escape regulations



## ADDITIONAL EQUIPMENT

- ✓ Egress for fire escape
- ✓ Opening restrictor
- ✓ Prestige beading
- ✓ External cill extension
- ✓ Window bars
- ✓ Dummy sash to fixed areas
- ✓ Glass options
- ✓ Aluminium cladding

**TILT AND TURN WINDOWS ARE SUPPLIED WITH AN EXTERIOR ALUMINIUM CLADDING THAT REQUIRES LITTLE OR NO MAINTENANCE. IT IS AVAILABLE POWDER COATED IN ANY COLOUR FROM THE RAL PALETTE.**





## Product features (standard)

- Multi-layer (laminated) hardwood or softwood without knots
- 4 stage process for factory finish including wide range of standard colours
- 3 point espagnolette locking
- 3D adjustable security hinges
- Standard double safety glazing (thermofloat + argon gas Low "E") U- value 1.1 w/m2 for unit glass
- Internally beaded for security
- Silicone sealed for ultimate weathering protection
- Fully drained and vented
- Satin chrome aluminium handle
- Cover caps for hinges consistent with handles
- Factory hung doorsets (inward or outward opening)
- Wooden and aluminium threshold



# Front doors

## International Windows Group' doors improve the visual impact as well as the security of a property.

International Windows Group is able to offer a comprehensive selection of doors to suit our customers' individual needs. All doors come factory finished including the furniture and are ready to install.

A front door can give an immediate impression of the style of a house. Our doors are made from thick solid timber in either pain (softwood) or meranti (hardwood) as standard. They are manufactured to the highest specification and are available in a number of finishes. Our advanced manufacturing techniques and extensive product features denote quality and as such International Windows Group' doors will add value to your home.

### ADDITIONAL EQUIPMENT

- ✓ Opening restrictor 90°
- ✓ 5 point espagnolette locking
- ✓ Prestige beading
- ✓ External cill extension
- ✓ Window bars
- ✓ Glass options
- ✓ Dual colours if required
- ✓ Letter box, spy holes, door knocker

# French, sliding and bi-folding doors

**We offer a wide selection of front doors. Whether you want to bring out the rugged beauty of your rural house or add a bit more elegance to your city flat, look no further. Our portfolio of front doors is diverse in terms of shape, size, and colour, but there is one thing they all have in common, regardless of your choice. Our front doors are made using only top quality wood.**

Elegant and classical International Windows Group' French doors are designed to suit terrace and garden entrances. Our bi-fold doors are an attractive solution to merging inside and outside space.

Our traditional French, sliding and bi-folding doors are designed to suit a balcony, terrace or garden entrance and can be opened either outwards or inwards. They are made from thick solid timber in either softwood (softwood) or meranti (hardwood) as standard, are manufactured to the highest specification and are available in a number of finishes.

Inward opening doors are best suited when the desired result is light and airy or when an insect net needs to be mounted. Outwardly opening doors are better in rooms which have a lot of furniture, as they do not encroach into the room space.

## Product features (standard)

- Multi-layer (laminated) hardwood or softwood without knots
- 4 stage process for factory finish including wide range of standard colours
- 3 point espagnolette locking
- 3D adjustable security hinges
- Standard double safety glazing (thermofloat + argon gas Low "E") U-value 1.1 w/m2 for unit glass
- Internally beaded for security Silicone sealed for ultimate weathering protection
- Fully drained and vented Head drip
- Satin chrome aluminium handle
- Cover caps for hinges consistent with handles
- Flying mullion
- Factory hung doorsets (inward or outward) Wooden or aluminium threshold

## ADDITIONAL EQUIPMENT

- ✓ Opening restrictor 90°
- ✓ 5 point espagnolette locking
- ✓ Prestige beading
- ✓ External cill extension
- ✓ Window bars
- ✓ Glass options
- ✓ Dual colours if required













# FLEXIBILITY AND QUALITY IN DESIGN



COMPRESSION STRENGTH 43.5 MPa	COMPRESSION STRENGTH 47 MPa	COMPRESSION STRENGTH 48 MPa
density 550 kg/m <sup>3</sup>	density 675 kg/m <sup>3</sup>	density 710 kg/m <sup>3</sup>
		
		
<b>PINE</b>	<b>MERANTI</b>	<b>OAK</b>

## Choice of timber

As well as our wide range of doors and windows styles, International Windows Group offers a choice of timber. Typically, we use either softwood (softwood) or meranti (hardwood) as standard in our products although we can use any other type of timber required by our customers.

International Windows Group uses only the best quality timber in the production of our windows and doors and stringent manufacturing standards ensure we maintain the highest standards in terms of our products' reliability, performance and durability.

## No knots

All of our timber is engineered so that any defects in the wood are removed before the production process begins. This leaves our products with a beautiful seamless finish.

## Laminated timber

By using highly engineered laminated timber we can significantly reduce any shrinkage or movement in our products. The result is a superior quality finish as well as improved stability and durability.

## Sealants

We use special silicone sealants for cracks and joints and timber sealants to protect our products against the weather, UV radiation and humidity

## Dual paint option

International Windows Group also offers two tone windows where the outside and inside colours are different.

## Paint and stain options

In addition to a variety of timber types, International Windows Group's products are finished with acrylic paints and water-soluble lacquers that give ultimate protection whilst being environmentally friendly. Our paints and stains from manufacturers such as GORI and RAL give us the ability to offer a long lasting, high quality and durable finish with exceptional warranties.



# Safety glass

Diagram below gives examples of glazing in windows, partitions, walls, doors and side panels. 'Critical locations' are shaded grey. Any glazing within a shaded area must comply with BS 6206.

## Window bars

International Windows Group offers a choice of window bars that can give an impressive and traditional appearance and can help a building achieve a specific architectural style (eg Georgian or Victorian). Depending on the desired effect, bars can be supplied in solid or stick on and in any configuration.

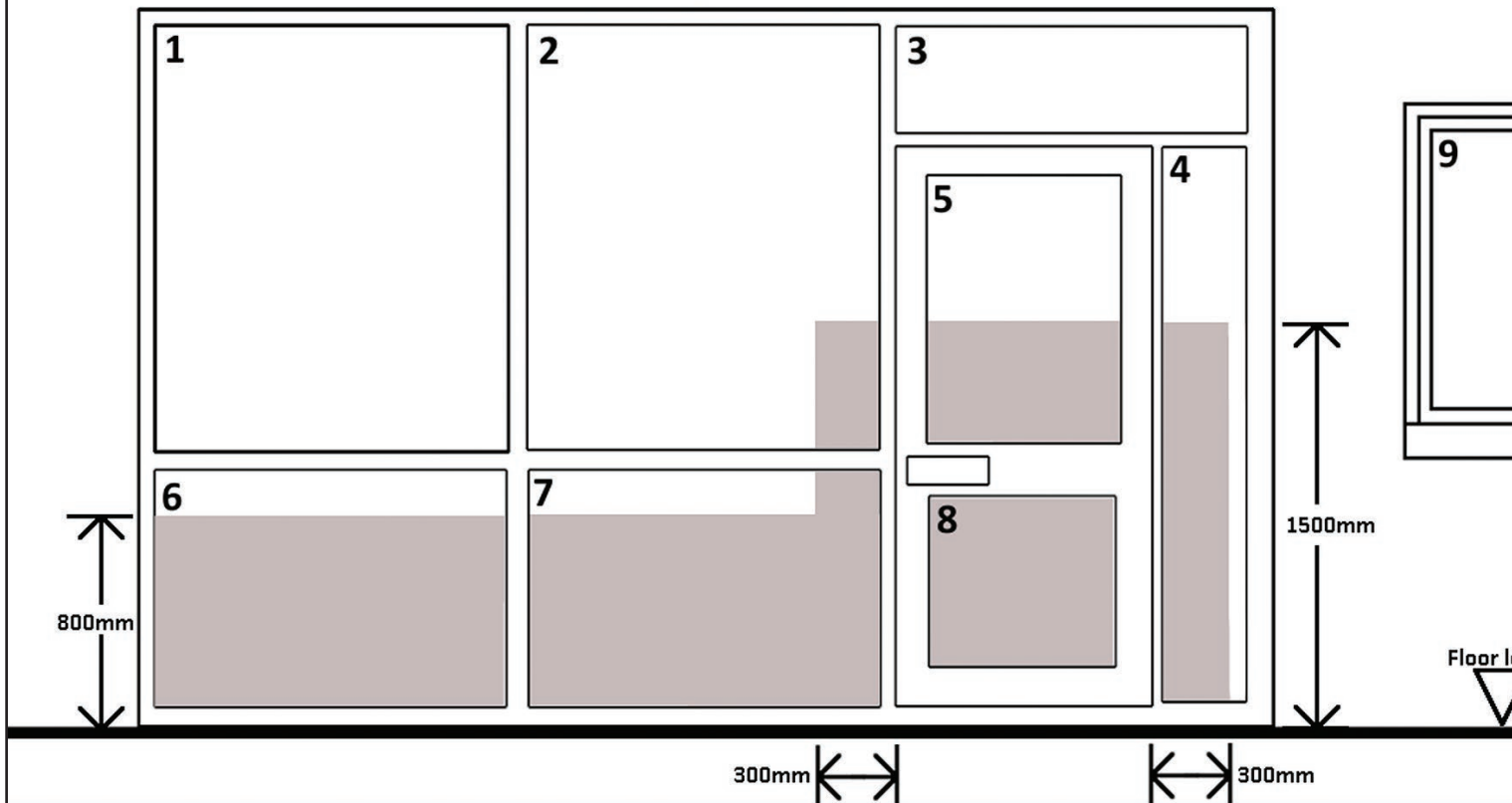
## Glass

International Windows Group produces doors and windows for all climates and conditions. We are committed to meeting energy efficiency demands and complying with the latest amendment to the Building Regulations Part L (England & Wales) and Part J (Scotland). Our standard windows

## Critical locations

Shaded areas indicate windows in critical locations that require safety window film.

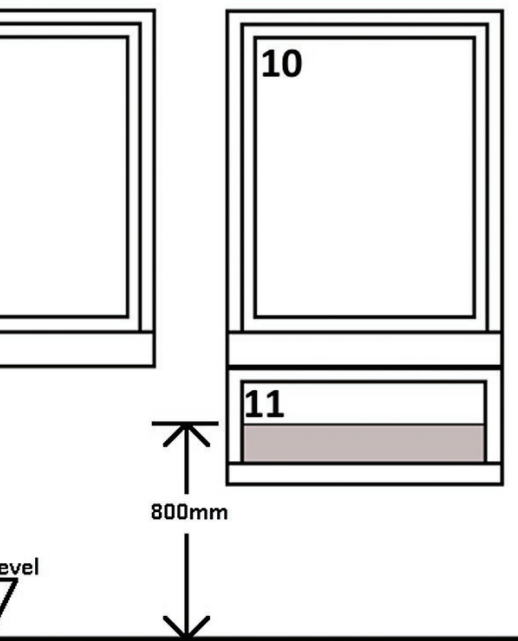
### Doors and side panels



and doors achieve a typical U-Value of 1.1 W/m<sup>2</sup>K.

International Windows Group' products can be glazed using various different types of glass in order to fulfil specific heat- insulating, mechanical or acoustic requirements. We also offer a number of obscure glazing options.

## Windows



Drawing not to scale

# WARRANTY COVERS



In addition to our accreditations/ International Windows Group offers the following warranties to further assure customers that our products adhere to the highest level of product performance, durability and manufacturing standards:

### Preservation: 5 years

5 years. All our windows are treated with a GORI preservative. This warranty covers a 5 year period against fungal and rot attack on all external timber components.

### Glazing: 5 years

All windows with factory fitted glass units are supplied with a 5 year defects warranty.

### Weatherseals: 5 years

All opening lights and fixed lights are weather sealed with proprietary seals or gaskets which are warranted for 5 years.

### Hardware: 5 years

All hardware on our windows is supplied with a 5 year defects warranty.

### Factory finished external paints and stains: 8 years

All factory finished painted external joinery is supplied with a 8 year warranty against flaking, cracking and blistering. Stained joinery is supplied with a 5 year warranty.

**Our suppliers are required to provide warranties for every element used in the process of our doors and windows production. We provide our customers with maintenance instructions which should be followed in order to protect a product's warranty.**

