



LONGDEN TIMBER WINDOWS



LONGDEN

INDIVIDUALLY CRAFTED DOORS AND WINDOWS



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Longden Timber Doorset Brochures



A Specifier's Guide to Solid Timber Doors and Doorsets



The Moderne Collection

Visit www.longdendoors.co.uk to download your copy

INTRODUCTION

The same skills, traditional craftsmanship and high quality materials used for Longden's renowned panelled door sets are now embraced by Longden's introduction of a superb range of bespoke timber windows. Longden windows can be manufactured from the same timber as door leaves and window boards or to any other features making them the perfect choice for projects such as luxury residential properties, high-end apartments, exclusive homes, luxury hotels, heritage and listed buildings and prestigious commercial offices.

The Longden range of solid timber panelled doors and doorsets have been gracing some of the UK's finest buildings for well over a hundred years and our expertise and knowledge has been extended into the Longden range of timber windows including the contemporary looking tilt & turn, the traditional casement and the classical vertical sliding sash windows, adding an elegant and stylish look to any building.

Longden Windows are a perfect addition to the Longden timber doorset range and compliment this already sublime collection, enabling Longden to present a complete timber door and window package bespoke to each individual project.

Longden technical expertise is available at all stages of the specification and procurement process and with years of investment in people, including the provision of apprenticeships and a comprehensive training programme, Longden has a workforce whose positive, customer-focused attitudes and pride in their work have helped to further enhance the Longden reputation for expertise and traditional craftsmanship.



ENERGY-EFFICIENT

Longden offers specialist windows which are available with single, double or triple glazing of the highest quality to improve thermal insulation helping you to reduce heat loss and energy consumption within your home, lowering energy costs.

Low U-value rated windows are available when specified with triple glazing enhancing energy efficiency levels.

Longden Windows can be specified with aluminium cladding which reduces maintenance costs and this combination of a timber-aluminium window results in an aesthetically pleasing, energy-efficient, durable and low maintenance window solution.

DURABLE

Wooden profiles made of engineered laminated timber, impregnated and sprayed with high quality water based paints give Longden windows exceptional durability enabling them to meet the toughest demands of the British weather.

QUALITY

Longden has a great tradition of supplying quality, bespoke performance products and have joined a very small elite group of manufacturers and suppliers whose products are certified by the Passive House Institute in Darmstadt. It is the most prestigious certificate that can be achieved within the industry and is another example of Longden's expertise and quality.

For further information regarding Longden Windows or to speak to a member of the team contact us on 0114 270 6330 or visit www.longdendoors.co.uk

SUPPLY CHAIN & SUSTAINABILITY

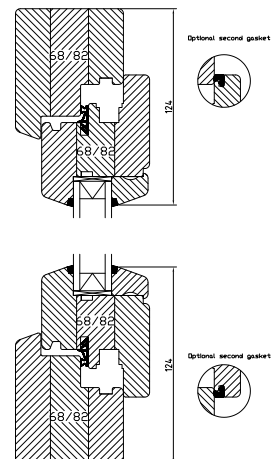
Windows can be specified in a range of timbers and finishes using timber and timber-based raw materials approved by the Forest Stewardship Council (FSC) and exclusively from well-managed and sustainable sources.



TILT & TURN

Longden tilt & turn windows bring elegance, contemporary character and quality to any project including exclusive homes and high end luxury apartments. Tilt & Turn windows are easy to maintain and the inward opening sash allows both sides of the window to be cleaned from the inside. Tilting the window inwards is a great way to provide ventilation without compromising security.

Tilt & turn windows add high levels of security and thermal insulation and can be specified with aluminium cladding to withstand the harsh conditions of the British weather (see finishes & hardware section).

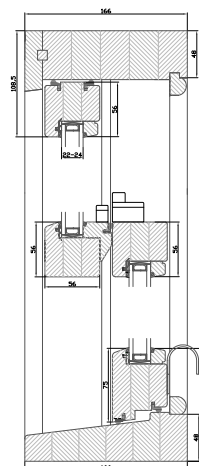



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VERTICAL SLIDING SASH

Longden classical-style vertical sliding sash windows give a traditional look and are aesthetically pleasing, offering the highest quality, durability and performance. These magnificent windows can harmonise with the characteristic style of any building and provide efficient cooling of interiors during warm weather. Opening both the top and bottom of a sash window by equal amounts allows warm air at the top of the room to escape drawing relatively cool air from outside into the room through the bottom opening.

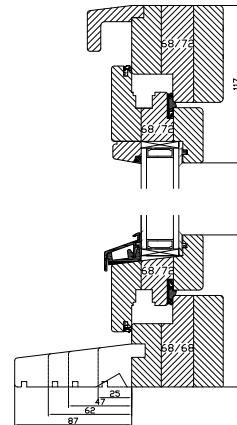




CASEMENT

Outward opening casement windows are traditional in appearance but offer modern day, high quality, performance characteristics. Casement windows can be equipped with concealed hinges which allow for easy access and cleaning of the external pane (pictured below left) and can be specified so that the sash is either flush with the frame or so that the sash overlaps the frame.

Casement windows add high levels of security and thermal insulation and flush fitting casement windows can be specified with aluminium cladding to withstand the harsh conditions of the british weather (see finishes and hardware section).





SLIDING AND FOLDING DOOR

Longden sliding and folding doorsets are the perfect solution for you to truly bring the beauty and tranquility of the outside into the luxurious comfort of your own home. Longden folding and sliding doorsets are easy to operate and offer enhanced security and thermal insulation. These doorsets allow natural light to enter the room whilst adding contemporary style, character and elegance to any building.



GLAZING

Longden timber windows can be specified with single, double or triple glazing of the highest quality to achieve outstanding thermal and acoustic insulation, protecting buildings from heat loss and noise.

The tables below outline the exceptional U-values that can be achieved from each window construction and style. Windows can be specified with U-values as low as 0.8W/m²K and are certified by the Passive House Institute in Darmstadt making them the perfect energy-efficient window solution for any project.

TIMBER WINDOWS



Double Glazed

Window Profiles	Tilt & Turn		Casement			Vertical Sliding Sash
	Inward Opening		Outward Opening			Sliding
Frame Depth	68	88 Passive	93	114	68	164
Sash Depth	68	88	75	56	68	56
Glazing						
Single	✓	✓	✓	✓	✓	✓
Double	✓	✓	✓	✓	✓	✓
Triple	✓	✓	✓			
Thermal Insulation (U-value)	1,3	0,8	1,5*	1,5	1,3	1,7

*Casement 93 outward opening Eco window can also achieve a U-Value rating of 1,2



Triple Glazed

TIMBER - ALUMINIUM WINDOWS



Window Profiles	Tilt & Turn		Casement	
	Inward Opening		Outward Opening	
Frame Depth	68	88 Passive	93	114
Sash Depth	68	88	75	56
Glazing				
Single	✓	✓	✓	✓
Double	✓	✓	✓	✓
Triple	✓	✓	✓	
Thermal Insulation (U-value)	1,3	0,8	1,5	1,5

EXAMPLE OF TIMBERS



Oak Sipo Sapele American Black Walnut

EXAMPLE OF STAINS



Oak American Black Walnut Mahogany RAL colour

FINISHES

Virtually any form of finish can be applied to Longden timber window ranges including clear varnish, stain, wax and oil finish or in full paint using a RAL paint colour reference, all of which can be factory applied.

Windows can be specified in a range of timbers and finishes using timber and timber-based raw materials approved by the Forest Stewardship Council (FSC) and exclusively from well-managed and sustainable sources.



Windows can be specified using the same timber and finish as doorsets and window boards or to any other specialist design features specific to your project.

ALUMINIUM CLADDING

Certain styles of Longden Windows can be specified with aluminium cladding which reduces maintenance costs and this combination of a timber-aluminium window results in an aesthetically pleasing, energy-efficient, durable and low maintenance window solution.

Aluminium cladding can be powder coated to any RAL paint colour reference you wish or it is possible to cover the cladding with special woodgrain foils if required.

HARDWARE

- Wide choice of handles and sash lifts
- Key lockable fasteners
- Key lockable restrictors
- Concealed spiral balancers
- Top sash pull rings
- Trickle Ventilators

Cords & Weights and Spirals & Balances are particularly suited to Vertical Sliding sash windows and to comply with strict conservation area requirements.

A wide range of finishes for hardware include brass, stainless steel, chrome, powder coated and oil rubbed bronze finish.





SUPPLY CHAIN AND SUSTAINABILITY

Wood is probably the most sustainable building material available to the British building industry today, wood is naturally renewable, readily recyclable and carbon neutral.

With so many environmental advantages, wood can benefit the entire global community – but only if forests continue to be managed responsibly. Unfortunately, in some countries, as much as 80% of timber is harvested illegally, often involving the destruction of protected forests, the loss of biodiversity and the violation of human rights.

FSC – good for the environment, good for business.

FSC is an independent, non-governmental, not for profit organisation established to promote the responsible management of the world's forests. Globally acclaimed as having the highest social and environmental standards in forestry today, their certification system is the only one currently recognised by the main environmental and social groups.



We'll keep supporting the world's forests – with both feet on the ground.

To help overcome deforestation, the loss of biodiversity, poverty and the violation of human rights, we must overcome the illegal and unsustainable harvesting of timber. Longden will keep taking practical, realistic and workable steps to support the growth of responsible forest management around the world. We'll continue working closely with our suppliers to meet the requirements of the FSC and CPET. We'll continue executing our strict timber purchasing policy. And we'll continue making it our business to improve our performance every step of the way.



By buying products with the FSC label you are supporting the growth of responsible forest management worldwide.



10 steps to sustainable sourcing.

Longden's timber purchasing policy

1. Responsibility

We will recognise our responsibility to all our customers, suppliers and staff to base our commercial activities on well-managed forests.

2. Legality and sustainability

We will remain committed to sourcing all timber from legal sources and will seek evidence of compliance from suppliers that avoid timber from:

- Illegally harvested wood
- Wood harvested in violation of traditional and civil rights
- Wood harvested in forests where high conservation values are threatened by management activities
- Wood harvested in forests being converted to plantations or non-forest use
- Wood from forests in which genetically modified trees are planted

3. Endangered species

We will not source any timber species prohibited under Appendix I of the Convention on International Trade in Endangered Species (CITES).

4. Traceability and supplier monitoring

We will continue to seek from our suppliers:

- Evidence of their commitment to continuous improvement in environmental performance
- Clear, practical information on the sources of wood products
- Evidence of good forest management practice at the origin of wood products

5. Timber certification

We will only accept or use labels or certificates which include claims of environmental soundness or sustainability if these are supported by publicly available standards drawn up in a fully participatory, transparent and objective manner and backed by independent inspection.

6. Avoid boycotts

Although we will not encourage boycotts or bans on specific species of timber, we will not source any species if its supply is found to be in breach of principles 2 or 3 above.

7. Avoid misleading claims

We will, at all times, strive to avoid misleading and unsubstantiated environmental claims in relation to wood product supplies.

8. Preparing staff

We will ensure that all employees associated with timber purchasing are encouraged to act in accordance with this Policy and are given appropriate education and training to do so, if required.

9. Management

We have appointed a Senior Executive who is responsible for the implementation of this Policy and will ensure that relevant environmental issues are discussed regularly and addressed at the highest level of management.

10. Continuous improvement

We will continue to define our own programmes, objectives and targets to achieve continuous improvement in environmental performance.



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