



SASH WINDOW SHOP
Custom Made Wooden Windows & Doors



TIMBER GUIDE

EVERYTHING YOU NEED TO KNOW

www.sashwindowshop.com



A COMPREHENSIVE GUIDE TO DIFFERENT TYPES OF TIMBER

**WELCOME TO OUR COMPREHENSIVE GUIDE
TO HELP YOU ON YOUR TIMBER SELECTION.**

We are dedicated to using only the highest quality timbers, each meticulously prepared to enhance its durability and performance.

Our manufacturing process incorporates advanced treatment and finishing techniques, including the application of multiple coats of microporous paint or stain.

This process ensures a strong, long-lasting finish that, with good maintenance, will protect your timber for years to come, guarding against wear and environmental damage.

Explore our diverse range of timbers, carefully selected for their exceptional qualities and versatility across various applications.



WHAT IS ENGINEERED TIMBER?

Engineered timber revolutionizes traditional woodwork, addressing age-old issues of expansion, contraction, and warping.

This innovative solution layers wood sections with opposing grain directions, neutralizing moisture-induced movement.



While preserving the beauty and tactile appeal of traditional wood, it eliminates the frustration of sticking windows and doors. For centuries, wood has adorned British and European homes, but its natural tendencies often caused problems. Now, multilayer timber offers homeowners the classic charm of wood without the drawbacks, ensuring lasting functionality and aesthetics in windows and doors.

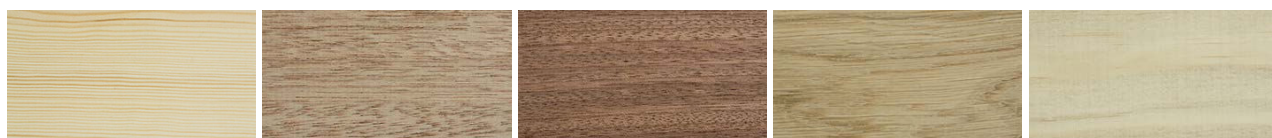
Surpassing traditional wood, engineered timber offers unmatched strength and longevity. Windows and doors made from this material resist warping and sticking, maintaining their shape in any UK climate.

Its workability allows for intricate designs, blending natural beauty with practicality. Our meticulous hand-finishing process and stringent quality checks guarantee superior construction and glazing.

Engineered timber excels in durability, design flexibility, and weatherproofing, making it the premier choice for discerning homeowners and builders nationwide.



OUR TIMBERS



Redwood Pine <i>with Hardwood Cill</i>	Meranti Hardwood	Sapele Hardwood	Oak Hardwood	Accoya <i>Modified Timber</i>
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Botanical Name	<i>Pinus sylvestris</i>	<i>Shorea spp</i>	<i>Entandrophragma cylindricum</i>	<i>Quercus robur</i>	<i>Pinus radiata</i>
Density	510kg/m ³	700 kg/m ³	720 kg/m ³	720kg/m ³	592kg/m ³
Durability	Enhanced durability with superior resistance to warping and splitting.	Enhanced durability compared to solid Meranti. Resistant to decay and insect infestations.	Enhanced durability compared to solid Sapele, offering superior resistance to warping, twisting, and shrinkage.	Engineered European Oak offers superior durability, with enhanced resistance to warping, splitting, and shrinkage, making it suitable for both interior and exterior applications.	Exceptional durability; Accoya is classified as Class 1, the highest durability rating.
Hardness	Moderate, with increased structural integrity due to the engineered layering process.	Moderate to high, offering increased resistance to wear and impact due to the engineered construction.	Moderately hard, with increased resistance to wear and impact due to the engineered construction.	High, with a Janka hardness of around 6,000 N, providing excellent resistance to wear and impact.	Moderately hard, with a Janka hardness of around 1,600 N, similar to that of traditional softwoods.
Texture	Smooth and uniform, with a consistent grain pattern, owing to the precision manufacturing process.	Fine to medium, with an even, straight grain that enhances the wood's aesthetic appeal.	Fine and uniform, with a natural interlocked grain that adds visual interest and a smooth finish.	Fine to medium, with a straight grain that is occasionally interlocked; the surface is smooth and uniform, ideal for a range of finishes.	Fine, smooth texture with a straight grain; the surface is ideal for a wide range of finishes.
Finishing	Takes stains, paints, and varnishes evenly, providing a uniform finish across the entire surface.	Takes stains, paints, and varnishes evenly, providing a uniform finish across the entire surface.	Takes stains, paints, and varnishes evenly, providing a uniform finish across the entire surface.	Takes stains, oils, and varnishes beautifully, enhancing the natural grain and color; the wood finishes evenly across all layers.	Accoya can be stained, painted, or left untreated; it holds finishes exceptionally well, with reduced maintenance requirements over time due to its stability.
Environmental Credentials	PEFC	PEFC	PEFC	PEFC	Accoya
Rot and anti-fungal timber warranty	20 Years	30 Years	30 Years	30 Years	50 Years

OUR TIMBER SPECIES

At our company, we are committed to offering the finest selection of timbers, each carefully chosen for its superior qualities and versatility.

Whether you're looking for timber with exceptional durability, stunning aesthetics, or sustainability, our range covers every need. From high-performance engineered wood to naturally robust options, we offer solutions for every project.

Below, you'll find a brief overview of some of the key timbers we provide, each with unique benefits suited to specific applications.

Accoya Timber

Accoya Timber is the ultimate choice for those seeking top-tier durability and stability.

Thanks to the acetylation process, it is virtually immune to warping, swelling, or decay, making it perfect for demanding outdoor applications like decking, cladding, and joinery.

With an expected lifespan of 50+ years in external environments, Accoya offers outstanding value despite being priced higher than standard timbers.

Its incredible performance reduces maintenance costs over time, making it a wise long-term investment for those prioritizing quality and sustainability.

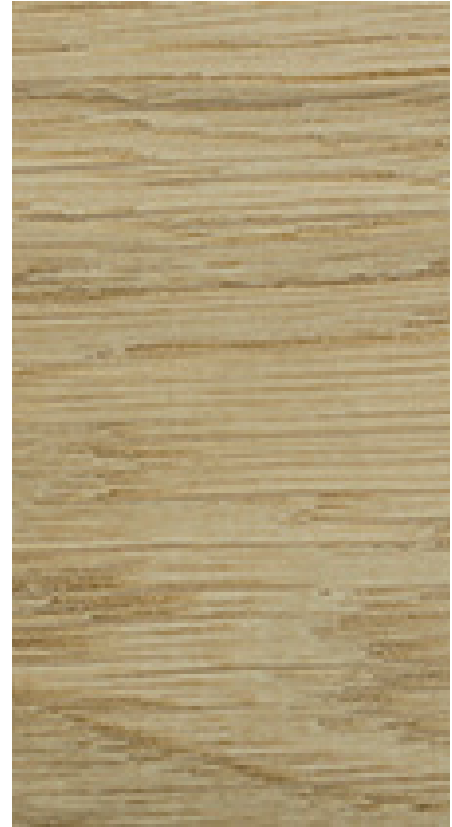


Engineered European Oak Timber

Engineered European Oak is ideal for anyone seeking the rich beauty of oak with enhanced stability and resistance to environmental changes.

Its layers of bonded oak ensure it doesn't warp or swell, even in fluctuating conditions, making it a reliable choice for high-end joinery and furniture.

While it sits at a higher price point than hardwoods like Sapele, its exceptional longevity and luxurious appearance make it worth the investment for premium projects where aesthetics are paramount.



Engineered Sapele Timber

Engineered Sapele offers an affordable yet durable option with its rich, reddish-brown hue and fine grain.

It delivers excellent stability outdoor use, making it a great alternative to oak for those looking for high performance at a slightly lower cost. Ideal for windows, doors, and furniture, Engineered Sapele provides a beautiful finish that stands up well against wear and environmental conditions.

It is an excellent choice for anyone balancing cost with performance.

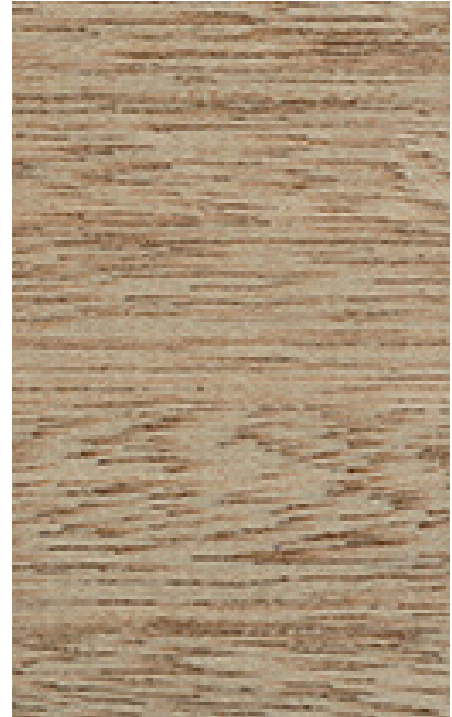


Engineered Meranti Timber

Engineered Meranti is a versatile and cost-effective choice for both interior and exterior projects.

Its attractive grain and reddish-brown color make it a popular option for cladding, joinery, and furniture.

Priced competitively compared to higher-end options like European Oak, Meranti offers solid performance at a lower cost, making it an excellent option for budget-conscious projects that still demand quality and durability.

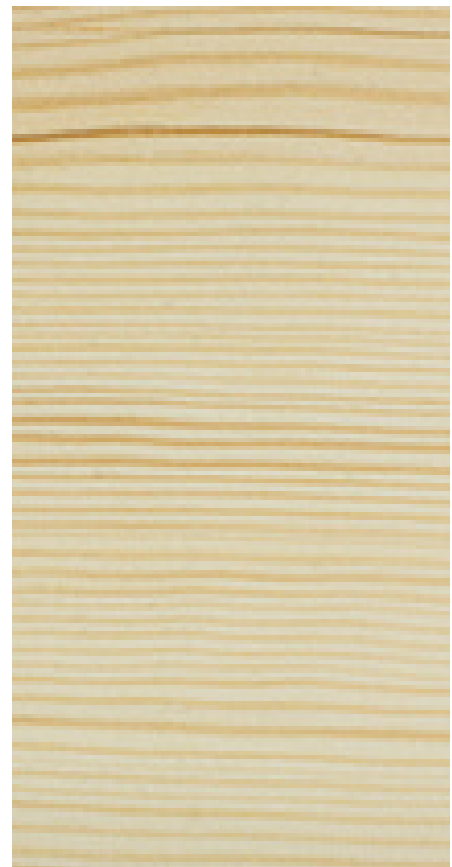


Engineered Softwood

Redwood Softwood is a highly versatile and economical option, perfect for general construction and joinery.

Known for its light weight and ease of use, redwood is easy to work with and takes stains or paints beautifully, making it an ideal choice for a wide range of projects. Its affordability makes it an attractive alternative to pricier hardwoods, without sacrificing quality for outdoor applications.

Redwood softwood is particularly popular for projects requiring a cost-effective yet reliable material that performs well in moderate environments.





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C O N T A C T U S

01279 456670

hello@sashwindowshop.com



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