

TIMBER – STYLE AND SUSTAINABILITY



Architects, designers and others specifying building materials for construction projects are increasingly turning to timber as a key element of the building design. It is used for interior design elements and as a way to deliver the next generation of sustainable buildings. Timber is now viewed as a simple and straightforward way of achieving a high-performance, energy efficient building. Timber can also contribute to the wellbeing of building occupants as part of a biophilic design approach. Timber is renewable and has the lowest embodied carbon of any commercially available building material. Those specifying timber can therefore be confident that it will deliver a sustainable building fabric in addition to excellent thermal and acoustic performance.

PEFC-certified timber is a key element in many building projects from structural applications such as engineered wood, including glulam, cross laminated timber (CLT), laminated veneer lumber (LVL), traditional timber frame and structural insulated panels (SIPS). It is also used in the manufacture of key components such as engineered floor cassettes, attic trusses, along with standard joinery items such as staircases, windows and doorsets. Timber also delivers great visual impact and a broad range of flooring, decking and cladding options is available as PEFC-certified.

CREATIVE AND CERTIFIED EDGE

Timber technology plays a key role in the offsite construction process and precision factory-controlled manufacture. Specifying a timber structure results in less on-site labour, reduced first fix for following trades, produces less waste and gives clients a quicker return on their investment. The growth of engineered timber products such as glulam and CLT are now a trusted alternative to steel and concrete and help contribute to high building performance while demonstrating a genuine commitment to environmental best practice.

PEFC & ENGINEERED TIMBER

The use of engineered timber products such as CLT and glulam gives designers a sustainable alternative to build strong and stable structures and bring a striking architectural dimension to modern building design. Glulam and CLT are predominantly made from PEFC certified Douglas Fir, Pine, Spruce or Larch and provide a low carbon building solution. Across the world, the international design community is embracing CLT to deliver high profile, award winning projects from homes, schools and hotels to restaurants, theatres and supermarkets. PEFC-certified timber is also at the heart of some of the UK's groundbreaking 'tall timber' buildings, including Stadthaus Murray Grove, and Dalston Lane, the largest timber building in the world at the time of its construction.

Dalston Lane - Waugh Thistleton Architects



MARKET DRIVERS FOR CERTIFIED TIMBER

Using PEFC-certified timber helps achieve Excellent and Outstanding BREEAM ratings, and with its great thermal properties, can help reduce thermal bridging. Certified timber is also a central component of the RICS Ska environmental performance standard for fit-out projects. PEFC-certified timber is accepted in green building procurement schemes around the globe including the US Green Building Council's LEED environmental assessment programme, Built Green in Canada and CASBEE in Japan.



Green building standards such as LEED and BREEAM, together with industry and private sector responsible sourcing policies, are driving demand for certified timber. They also send a strong signal to forest owners that sustainable forest management is a must and their investment in sustainable forest management certification is valued and appreciated by companies and customers around the world.

Legislation: PEFC Chain of Custody certification provides you with additional assurance in helping to demonstrate compliance with legislative requirements such as the EU Timber Regulation (EUTR), the US Lacey Act, and the Australian Illegal Logging Prohibition Regulation.

Clients: Demonstrating a corporate commitment to reverse deforestation, conserve biodiversity and act in a socially responsible manner are increasingly vital to corporate reputations.

DESIGN WITH A DIFFERENCE

Timber is the link between building and nature. The variety and species of timber available from PEFC sources is enormous with an endless variety of colours, grain patterns and wood character to choose from. The potential and scope for timber application is as wide as your imagination and with PEFC Chain of Custody you can be certain the material has come from a legal and sustainable origin.



-  **Aesthetics:** a natural material that looks stunning across a range of structural applications, interiors and exteriors
-  **Flexibility:** a unique material that is simple and easy to specify. Key to the circular economy - it is renewable, reusable and recyclable
-  **Performance:** outstanding results across a wide range of construction schemes to high environmental standards
-  **Supply:** a huge variety of timber species from around the globe to give your scheme a special flourish. Widely available from an extensive network of merchants and suppliers
-  **Chain of Custody:** a trusted and robust way to track timber from the forest to the end user.
-  **Sustainability:** an effective way to achieve low and zero carbon buildings, recognised by leading green building standards globally. These include Singapore Green Building Council, the Australian Green Star Program, Built Green in Canada and the US Green Building Initiative

THE WORLD'S LARGEST FOREST CERTIFICATION SYSTEM

PEFC is an international non-profit, non-governmental organisation dedicated to promoting Sustainable Forest Management through independent third-party certification. It works by endorsing national forest certification systems and has recognised certification systems in more than 40 countries.

Today over half a million forest owners manage more than 300 million hectares of forests according to PEFC's Sustainability Benchmarks, making PEFC the world's largest forest and wood product certification system. To date, almost 20,000 companies have obtained PEFC Chain of Custody certification – the process of tracking certified timber from the forest to the building site, where each step of the supply chain is independently audited.



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ARCHITECTS, BUILDING DESIGN & PEFC-CERTIFIED TIMBER

