



storaenso

# Stora Enso Strength Graded Timber

High and consistent quality for structural usage

[www.storaenso.com](http://www.storaenso.com)

# Stora Enso

Do good for the people and the planet.

Stora Enso is a leading provider of renewable solutions in packaging, biomaterials, wood and paper on global markets. Our aim is to replace non-renewable materials by innovating and developing new products and services based on wood and other renewable materials.

The Group has some 27 000 employees in more than 35 countries worldwide. Stora Enso Wood Products division is Europe's largest producer of wooden construction materials. Approximately 4 000 people are employed in over 20 production units and worldwide distribution networks.

Rethink is our change engine, serving as a promise that we shall always rethink the old and expand to the new in all that we do.

Our Values – Lead and Do what's right – are the lights for our journey, anywhere we operate. Our values must always be aligned with the local laws and rules, but also take us beyond local practices to bring the people and communities forward.

Our Purpose – Do good for the people and the planet – is why we do all this. Why we set a strategy and then execute it, including but not limited to the financial, market and other metrics. How we want to change the world, the communities and lives of all people who come in contact with us, be it through our products, our operations or our value chain. Change for better.

## Our production units

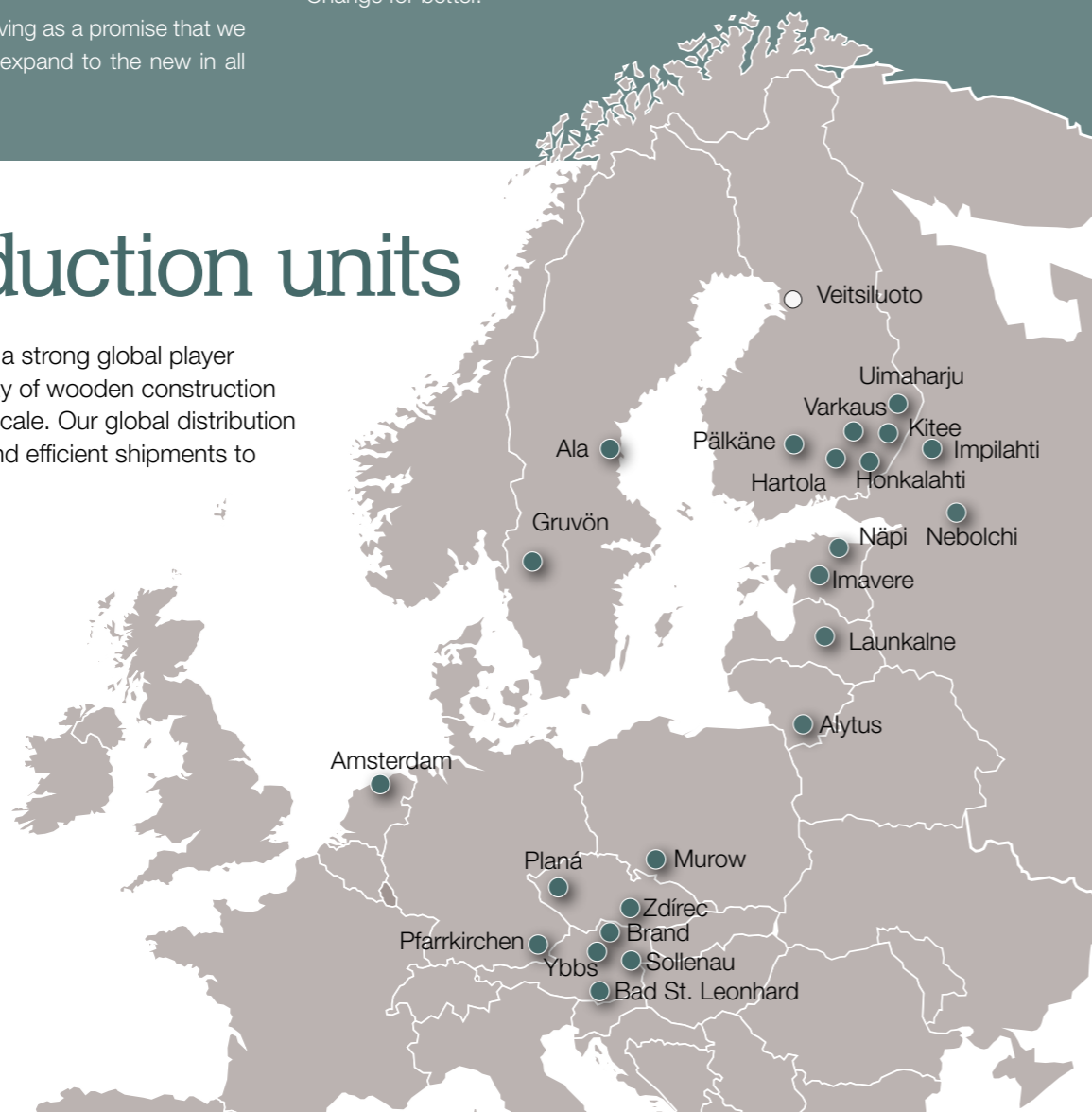
Stora Enso Wood Products is a strong global player with a high production capacity of wooden construction materials on a truly industrial scale. Our global distribution network ensures consistent and efficient shipments to our customers

Sawing capacity 5.6 Mm<sup>3</sup>

Further processing capacity 2.8 Mm<sup>3</sup>

Pellet capacity 320 000 ton

CLT capacity 140 Mm<sup>3</sup>



Certification for quality and environment.

Using Stora Enso's products and services is a responsible choice.

Recognition of the environmental and structural benefits that wood brings to construction is constantly increasing. We believe in a sustainable and energy-efficient construction method for the public and private sectors.

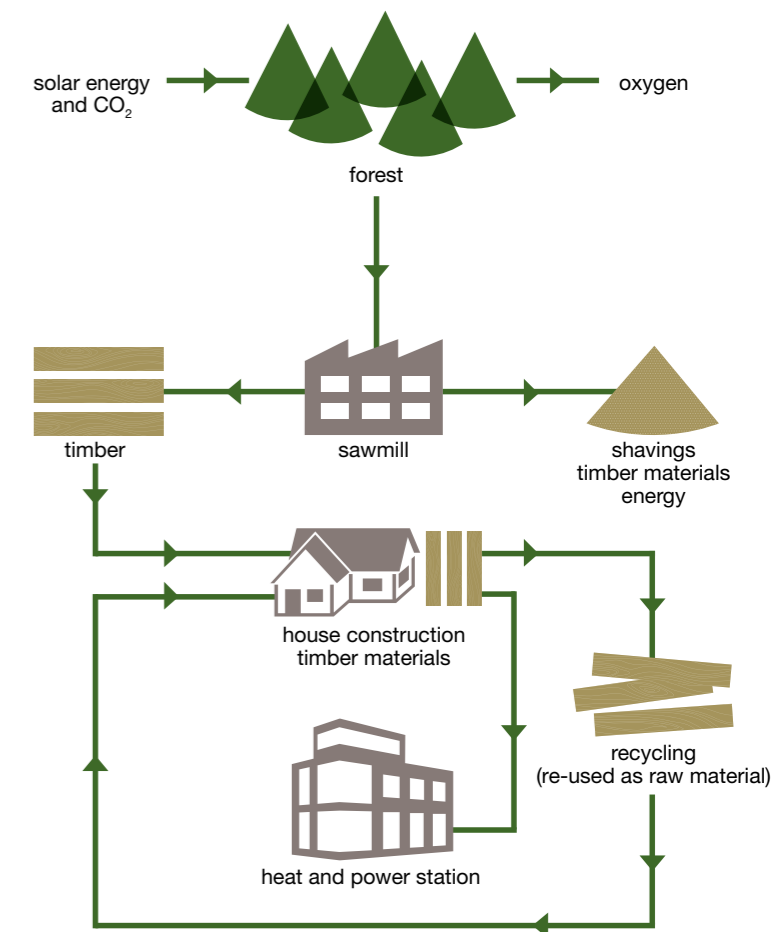
Wood, our most important raw material, has many advantages over the materials made from non-renewable resources. Wood is renewable, recyclable and it can be used as a bioenergy at the end of its life cycle. With carbon captured in the wood, the products offer a truly sustainable means of combating climate change.

Stora Enso products are manufactured from responsibly sourced wood. The wood supply chains to Stora Enso Wood Products units are covered by a wood traceability system, which is third-party certified according to PEFC™ or FSC® Chain of Custody system, or according to both systems.

Stora Enso products are of high quality. To achieve operational excellence, we apply integrated management systems. In the manufacturing process, we set constantly higher targets to minimize negative environmental and social impacts and to maximize the efficiency of all raw material use. Stora Enso Wood Products units have a good coverage of third-party certified management systems for Quality (ISO 9001) Environment (ISO 14001) and Occupational Health and Safety (OHSAS 18001).



Natural cycle: wood can be recycled or used as energy.



Wood is an excellent reusable material. Wood products can be recycled or used as energy.

# Wood is an excellent building material for structural usage

It is natural, durable and has a highly aesthetic appearance



## Structural timber, Australia

Our Nordic, Central European, Baltic and Russian units are located close to the best, slowly grown, forest areas. The high and harmonious quality of raw material gives our products excellent strength properties, highly aesthetic appearance and consistent quality.

Stora Enso provides a wide range of end use specified wood products for construction and building industry. The products are used around the world for commercial and residential construction, as well as industrial applications. Our customers appreciate the high and consistent quality enabling them to save time and money in any application.

The manufacturing processes are designed for different customer needs and they are continuously improved and

developed with changing requirements. Stora Enso Wood Products units utilise modern grading technology to select the best raw material for each end use – reducing handling costs and raw material waste. Goods are cut and graded according to the customer needs.

- Consistent and uniform high quality
- Highly accurate size tolerances
- Superior form stability and surfacing
- Flexible sizes and lengths
- Extensive knowledge of wood as a material
- Utilisation of modern technology and high quality raw material.

Stora Enso's structural timber is produced to a light to no-ware specification. The products are manufactured for use by builders, home improvement centres, retailers, truss and wall panel manufacturers, and more. They are the optimal building material for Australian timber frame houses, such as commercial and residential construction, as well as for industrial applications.

- All structural products produced to Australian standards
- Termite treated (optional) H2F Blueshield, H2



### Technical details

Thickness:	35/45mm
Widths:	70–240mm
Lengths:	Shorts 1.2–2.1m / Studs 2.4–3.6m (including DTL) / Mids 3.9–4.5m/ Longs 4.8–6.0 m
Wood species:	Pine and spruce
Moisture content:	15% average or less
Processing:	Planed or rougher headed, finger-jointed, Kiln dried (Heat treated), Docked to Length, Machine stress graded (MSR)
Surface:	Planed or rougher headed
Grades:	MGP10, MGP12, F grades
Produced in:	Austria, Czech Republic, Estonia, Finland, Lithuania, Sweden, Poland

# Structural lumber, North America

Stora Enso's structural lumber is produced to a light to no-wane specification. The products are manufactured for use by builders, home improvement centres, retailers, truss and wall panel manufacturers, and more. They are the optimal building material for US timber frame houses, commercial and residential construction as well as for industrial applications.



## Technical details

Thickness:	38–89mm (2–4')
Widths:	38–286mm (2–12')
Lengths:	In solid from 1,8–5,5m (6'–18'), Finger-jointed 1,8–24m (6'–78')
Wood species:	Pine or spruce
Moisture content:	18% ± 2%
Surface:	Planed
Grades:	ALS/WCLIB No.1, No.2, 1650F, 2100F
Processing:	Planed, finger-jointed, head treated, PET, Machine stress graded (MSR)
Produced in:	Austria, Czech Republic, Estonia, Finland, Lithuania, Sweden



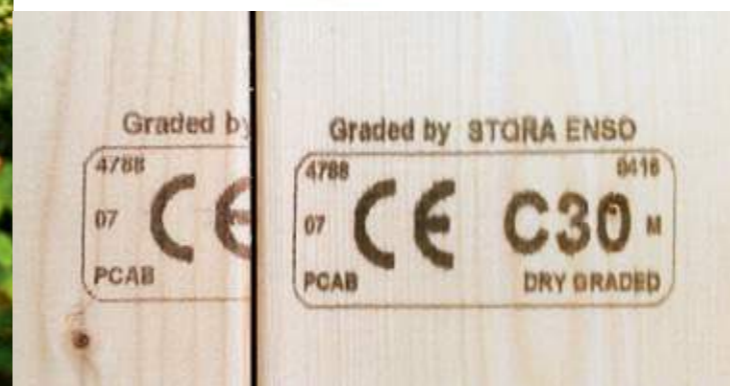
# Structural timber, Europe



Stora Enso's structural timber is the optimal building material for European timber frame houses and their load bearing structures. Excellent strength values, appearance and consistent quality are achieved by utilising the best European raw materials. This enables us to meet all requirements from the standard quality to highest visual and strength grades.

## Technical details

Thickness:	35–55 mm
Widths:	75–225 mm
Lengths:	2.4–6 m
Wood species:	Spruce
Processing:	Machine and/or visual strength-graded, regularised, PAR, PET
Surface:	Rough or planed
Moisture content:	16% ± 2%
Strength class:	CE C14–C40, TR26
Produced in:	Austria, Czech Republic, Estonia, Finland, Lithuania, Russia, Sweden





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