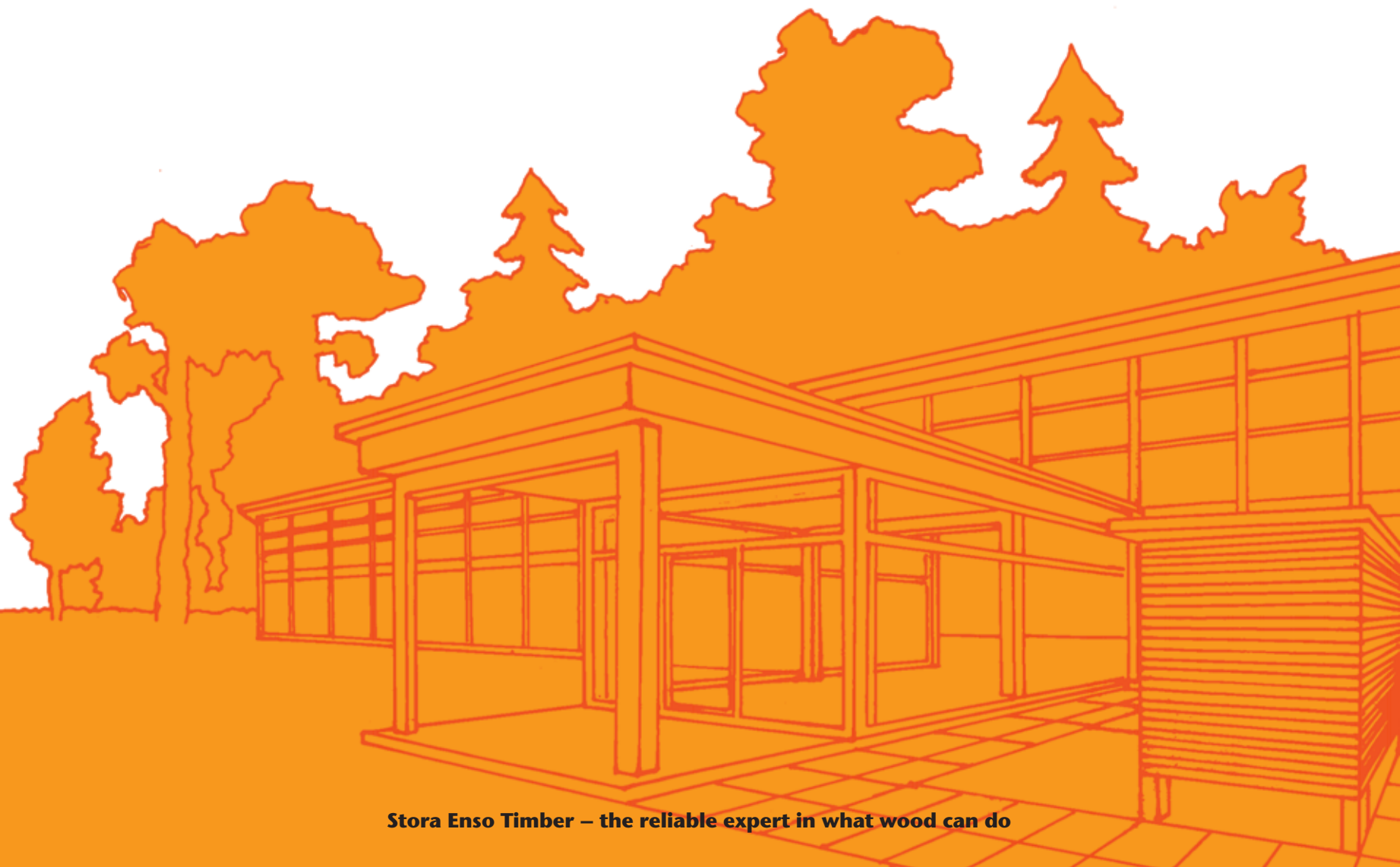


Expect more

Wood product catalogue



What wood can do

Stora Enso Timber wood products are used all around the world as an excellent, renewable resource for living, building and packaging with wood. As a globally operating quality supplier for wood product industries and retail, our task is to add value to wood.








Our engineered, further processed and sawn products are made from European softwoods, pine and spruce. Timber frame construction products include standardised solid and glued posts, beams, studs and joists. Our joinery products are primarily used for the manufacture of windows, doors and for interior and exterior usage such as panels, floorings and claddings. Both species are used in these applications. Additionally we supply a wide range of rough sawn products.

Get more than a unique selection of quality wood products, easily and efficiently. Check out our product offering and contact your local sales unit for further information.






Stora Enso Timber

- Expertise and know how
- Innovative products
- All-round service
- First class quality management
- Sustainable business practises

		PROCESSING LEVEL		
		Engineered	Further processed	Basic
USAGE LEVEL	Joinery	 Engineered joinery Joinery components ThermoWood	 Further processed joinery WoodPax	 Basic joinery Plattenware Rohhobler SF / PF / V Sound knotted U/S
	Construction	 Engineered construction CLT Edge-glued Mabashira KVH / DUO / TRIO Post & Beam Scaffold boards	 Further processed construction CLS Hagarazai Lamina – FP Strength graded	 Basic construction Boards & Balks Genban Gurte & rgh Scaffold boards KVH raw materials Lamellas Lamina – rough Scantling & Laths SF / PF / V
	Packaging			 Basic packaging Lower grades Schaal Sideboards
	Side products		Further processed side products Pellets	Basic side products Bark Chips Saw dust

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Engineered joinery wood

ThermoWood®

Stora Enso ThermoWood® is a natural choice for challenging applications. It is produced using a patented thermal modification process. The heat treatment of softwood has a lasting effect on the technical properties of the material. In effect the process creates a new wood species with its own special properties, which are more like those of certain hardwoods and highly durable wood materials.



ThermoWood® concept

As a result of many years of development work, Stora Enso Timber can now offer a complete concept covering the following areas: patented process, quality control system, CEN standard, life cycle analysis, PEFC certification, trademark and logotype. The benefits of this concept to the customer cover all aspects of a product and its origin.



Engineered joinery wood



- High durability
- Dimensional stability
- Attractive appearance
- Ecological properties



Technical details

- **Processing:** Thermal modification, sawn & further processed products
- **Wood species:** Spruce and pine
- **Moisture content:** 6%
- **Surface:** Rough sawn, planed and profiled
- **Grades:** Thermo-S and Thermo-D
- **Strength class:** N/A

- **Thickness:** 22–75 mm
- **Widths:** 100–250 mm
- **Lengths:** 3.9, 4.2, 4.8, 5.1, 5.4 m
- **Glued products:** Finger joint clears

Country of origin: Finland

Certifications: PEFC, EMAS, ISO 14001, ISO 9001, KOMO®, OHSAS 18001

Engineered joinery wood

Door and door frame components

Stora Enso Timber offers door and door frame manufacturers both pine and spruce components to meet the demands in various product end use segments. Door rims (stiles & rails) are ready for assembly products, while door frame components are meant to door frame manufacturers.



- Form stability via finger jointing
- Highly accurate size tolerances
- Consistent and uniform high quality



Technical details

- **Processing:** Planed, finger-jointed, glued, profiled, length cut
- **Wood species:** Pine and spruce
- **Moisture content:** 8, 10, 12% $\pm 2\%$
- **Surface:** Profiled planed, planed, rough
- **Grades:** Pine: clears, 1–3 side clears & sound
Spruce: customised knotty quality
- **Strength class:** N/A
- **Thickness:** 27–55 mm
- **Widths:** 35–123 mm
- **Lengths:** Long lengths 5.5–6 m, length adapted 0.5–3 m
- **Glued products:** 2–8 laminated products into L or Block profiles
- **Country of origin:** Finland, Sweden, Estonia, Lithuania
- **Certifications:** PEFC, FSC, EMAS, ISO 14001, EN 13307

Engineered joinery wood

Window components

Superior quality joinery components tailored to the customer make the customer's window manufacturing more efficient. Stora Enso Timber offers a wide range of solutions from eight production lines with quality being the key factor.



- Efficient manufacturing with mass-customised components
- Continuous fibre structure
- Consistent and uniform quality



Technical details

- **Processing:** Planed, finger-jointed, edge- or lamiglued, module length cut
- **Wood species:** Pine
- **Moisture content:** 12% \pm 2%
- **Surface:** Planed
- **Grades:** Clears, 1–3 side clears & sound
- **Strength class:** N/A
- **Thickness:** 30–120 mm
- **Widths:** 34–172 mm
- **Lengths:** Long lengths 5.5–6 m, length adapted 0.5–3 m
- **Glued products:** 2–3 edge-glued products into L or Block profiles, 2–8 laminated products into L or Block profiles
- **Country of origin:** Finland, Sweden, Estonia, Lithuania
- **Certifications:** PEFC, FSC, EMAS, ISO 14001, EN 13307

Further processed joinery wood

WoodPax®

Planed, visual appearance products for exterior and interior construction.

The WoodPax® product family offers ready-to-install products for a variety of construction needs: high quality exterior claddings, interior wall and ceiling panels, floor boards and all-round planed products.

WoodPax® products are made from carefully selected spruce and pine. They are ideal for construction companies, industry, retailers and DIY builders. The products are suitable for both new constructions and renovations.



- Selected spruce and pine raw material
- Consistent and uniform quality
- Available both as wood-ready and surface-coated
- Neat and user-friendly packaging



Technical details

- **Processing:** Planed, profiled, end-matched, surface-coated, shrink-wrapped
- **Wood species:** Pine and spruce
- **Moisture content:** 10% ±2%, 12% ±2%, 16% ±2%
- **Surface:** Planed, profiled, fine sawn, surface coated
- **Grades:** A, B, AB
- **Strength class:** N/A
- **Thickness:** 10–75 mm
- **Widths:** 18–220 mm
- **Lengths:** Random lengths, min 1.8 m/ max 6 m, in 30 cm modules
- **Packing:** Mini bundling and bar coding (bundle stickers available upon request)
- **CE-marking:** According to EN 14342 and EN 14915
- **Country of origin:** Finland, Estonia, the Netherlands
- **Certifications:** PEFC, FSC

Basic joinery wood

Sound knot qualities (MBL=Möbel)

For interior products.

Sawn products chosen from the top end of the tree giving sound and lively knot structure, highly suitable for interior products such as furniture manufacturing or interior panels and doors. Products are delivered either at 18% moisture content or at end-use application requirements.



- High quality pine top logs form the basis of the product
- Uniform quality through high-level log grading
- Customised product qualities and dimensions



Technical details

- **Processing:** Sawn
- **Wood species:** Pine
- **Moisture content:** 18%, 8% \pm 2%
- **Surface:** Sawn surface
- **Grades:** MB/V, MB/PF and grade mixes
- **Strength class:** N/A
- **Thickness:** 25–63 mm, mainly in 40–50 mm
- **Widths:** 75–150 mm
- **Lengths:** 3.3–5.1 m, in 30 cm modules, main lengths 3.6–4.2 m
- **Glued products:** N/A
- **Packing:** One length per pack or length variation included in the same pack, without wrapping, 5-sided wrapping
- **Country of origin:** Finland, Sweden, Estonia, Latvia, Lithuania
- **Certifications:** PEFC, FSC, EMAS, ISO 14001

Basic joinery wood

Traditional sawn timber

High quality sawn timber for various joinery purposes.

Stora Enso Timber's state-of-the-art mills provide standard grades and dimensions for different joinery purposes. The mills utilise the most modern log X-ray and automatic 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 needs of the end use. Typical examples are U/S quality for window manufacturers, sound-knotted and plattenware goods for furniture makers, Roh-hobler for planing mills, and sawfalling / production falling for several end uses.



Basic joinery wood



- Slowly grown Nordic, Baltic, Russian and Central European timber
- Accurately sawn, kilned and graded according to wood features
- High environmental standards
- The log quality most suited to each product



Technical details

- **Processing:** Utilising the most modern sawmilling technology
 - **Wood species:** Pine and spruce
 - **Moisture content:** Standard 16–18% $\pm 2\%$, possibilities from green (no KD) to 8% $\pm 2\%$
 - **Surface:** Rough sawn
 - **Grades:** A(u/s), B(fifths), C(sixths) and their grade mixes, 0-4, 0-5, 3-5 and their grade mixes
 - **Thickness:** 16–100 mm
 - **Widths:** 75–275 mm
 - **Lengths:** 2.7–6 m in 30 cm modules or 2.5–6 m in metric lengths (mostly 3 and 4 m)
 - **Packing:** LP, TP
 - **Package protection:** 5-sided renewable wrapping, without wrapping, top layer protection
- Country of origin:** Finland, Sweden, Russia, Estonia, Latvia, Lithuania, Austria, the Czech Republic, Germany
- Certifications:** PEFC, FSC, EMAS, ISO 14001, ISPM15





Construction

Wood is an excellent building material for structural and visual usage. It is natural, durable and has a highly aesthetic appearance.

We provide end use specified wood products for structural use in the construction and building industry. Our products offer our customers cost-efficient, ecological and flexible solutions. The manufacturing processes are designed for different customer needs and they are continuously improved and developed with changing requirements.

Engineered construction wood

Duo- and Trio-laminated beams

Duo- and Trio-laminated beams comprise two or three lamellae, pith side out and glued together. The rigid bonding of the elements means that these beams hardly crack or twist even after very long periods. They are perfect material for exceptionally stable and high quality timber construction.



The classic character of the beam and appearance of solid wood are well preserved. They have excellent characteristics as a building material for exposed ceiling beams and rafters.

Duo and Trio beams are produced in standard cross sections. The advantages of standardisation for trade and the processing industry are obvious: produced as stock, short delivery times, economic planning and construction. On top of this we are able to produce Duo and Trio beams on your demand: flexible, individual and fast.



Engineered construction wood



- Dimensionally stable timber construction
- Maximum load-bearing capacity – equal to GL24 glulam
- Stability and attractive appearance
- Usage in exposed and concealed areas



Technical details

- **Processing:** Finger-jointed, planed, glue laminated, squared ends
- **Wood species:** Spruce (pine and larch on request)
- **Moisture content:** Max. 15%
- **Surface:** Side-dressed and chamfered on 4 sides, specially selected raw material for beams used in exposed areas
- **Grades:** For exposed use (visible quality - SI) and hidden structures (non-exposed end-use NSI)
- **Strength class:** S 10 TS (according to DIN 4074-1)/ C 24 (EN 338)
- **Thickness:** 60–240 mm (stepwise in 20 mm gradation, others on request)
- **Widths:** 80–240 mm (stepwise in 20 mm gradation, others on request)
- **Lengths:** 13 m (up to 16 m possible)
- **Glued products:** PUR for finger joints, melamine for laminary gluing
- **Service:**
 - Standard: Bundles consisting of a single cross-section and grade in a defined packaging unit
 - System length: Bundled in one special length of for example 7, 7.5, 8, 8.5, or 9 m, with uniform size and quality (NSi, Si)
 - Single poles: About 60 different dimensions and lengths
 - Cross cutting and trenching possible upon request
- **Country of origin:** Germany, the Czech Republic
- **Certifications:** PEFC, ISO 9001/14001, Approval B by MPA BW, national approval Z.9.1-440 (DIBt)

Engineered construction wood

Cross-laminated timber (CLT)

Cross-laminated timber provides an innovative massive building system for single- and multi-family residential buildings, multi-storey residential and commercial buildings, buildings for business and industry, and for special applications in structural timber constructions. Cross-laminated timber is commonly applied for external and internal walls, ceilings and roofs.

The building system offers a minimum of assembly time at the building site because of its prefabricated elements. There is no break in the insulation layer and no need for a moisture barrier in walls. Production of the elements with single layer boards provides a lot of advantages: air tightness, fire resistance, thermal insulation and acoustic insulation.



- Big element dimensions: 3x16 m with a thickness of up to 40 cm
- Prefabricated elements with cut-out doors and windows ready for assembling
- Multi-layer board with crosswise arrangement of lamellas
- Dry building system with a minimum of swelling and shrinkage of the elements
- Best performance in static and physical properties



Technical details

- **Processing:** Kiln dried, planed, glued with formaldehyde-free adhesive, with 3, 5, 7 or more layers
 - **Wood species:** Spruce, larch and pine on request
 - **Moisture content:** 12% ±2%
 - **Surface:** Sanded
 - **Grades:** S7 and S10
 - **Strength class:** Lamellas strength graded according to DIN 4074
 - **Thickness:**
Standard for walls:
3 layers (3s): 72, 84, 95, 105, 121 mm
5 layers (5s): 123, 141, 160 mm
Standard for ceilings:
3 layers (3s): 81, 90, 95, 107, 116, 129 mm
5 layers (5s): 132, 147, 159, 171, 183, 199, 215 mm
7 layers (7s): 203, 221, 235 mm
7 layers (7s-2) : 210, 235, 257, 269, 285, 301 mm
Optional: any combination with 21, 27, 30, 35 and 43 mm lamellas up to 400 mm total thickness
 - **Widths:** Up to 3 m
 - **Lengths:** Up to 16 m
 - **Glued products:** Formaldehyde-free adhesive
- Country of origin:** Austria
Certifications: Technical approval Z-9.1-559, EMAS, PEFC



Engineered construction wood

Glue-laminated posts

Stora Enso Timber provides structural glue-laminated posts for the Japanese market. We offer a variety of lengths to meet the needs and demands of the end users. Due to high stability, optimal strength values and planed surface, our posts are easy to build and work with.



- Stable supply guaranteed by integrated operations, from sawing to glue laminating
- High quality in accordance with JAS structural glue-laminated timber
- Accurate size tolerance to match market needs



Technical details

- **Processing:** Lamina-planed, glue-laminated in 4 or 5 ply, square moulded, PET
- **Wood species:** Spruce and pine
- **Moisture content:** Max. 12% \pm 2%
- **Surface:** Planed, ease-edged
- **Grades:** According to JAS structural glue-laminated timber
- **Strength class:** According to JAS structural glue-laminated timber
- **Thickness:** 90, 105, 120 mm (90-4 ply, the others-5 ply)
- **Widths:** 90, 105, 120 mm (90-4 ply, the others-5 ply)
- **Lengths:**
Spruce: 2 650 mm to 5 985 mm
Pine: 2 650 mm to 3 985 mm
- **Country of origin:** Austria
- **Certifications:** PEFC, JAS

Engineered construction wood

Glue-laminated beams

Stora Enso Timber provides structural glue-laminated beams for the Japanese market. We offer a variety of heights and lengths to meet the needs and demands of the end users. Due to good strength values, high stability and variable dimensions, our beams are an ideal building material even for longer and more demanding spans.



- Stable supply guaranteed by integrated operations, from sawing to glue laminating
- High quality in accordance with JAS structural glue-laminated timber
- Accurate size tolerance to match market needs



Technical details

- **Processing:** Lamina-planed, glue-laminated, square moulded, PET
- **Wood species:** Spruce and pine
- **Moisture content:** 12% \pm 2%
- **Surface:** Planed, ease-edged
- **Grades:** According to JAS structural glue-laminated timber
- **Strength class:** According to JAS structural glue-laminated timber
- **Thickness:** 105, 120, 150, 180, 210, 240, 270, 300, 330, 360, 390 mm
- **Widths:** 105, 120 mm
- **Lengths:** 2 750 mm to 5 985 mm
- **Country of origin:** Austria, Estonia
- **Certifications:** PEFC, FSC, JAS

Engineered construction wood

Edge-glued Mabashira, Japan

Stora Enso Timber provides edge-glued Mabashira, utilising high-quality production experience in structural glue-laminated timber for the Japanese market. A variety of lengths are offered to meet the needs and demands of the end users.



- Stable supply guaranteed by integrated operations, from sawing to glue laminating
- Form stability and uniform quality
- Accurate size tolerance to match the market needs



Technical details

- **Processing:** Planed lamina, glue-laminated, re-cut into Mabashira size, square-moulded, PET
- **Wood species:** Spruce and pine
- **Moisture content:** 12% \pm 2%
- **Surface:** Planed
- **Grades:** No hit and miss, limited tolerance for bow and crook
- **Strength class:** N/A
- **Thickness:** 27, 30, 45 mm
- **Widths:** 105, 120 mm
- **Lengths:** 2 650 mm to 3 985 mm
- **Country of origin:** Austria, Estonia
- **Certifications:** PEFC, FSC

Engineered construction wood

Scaffold boards

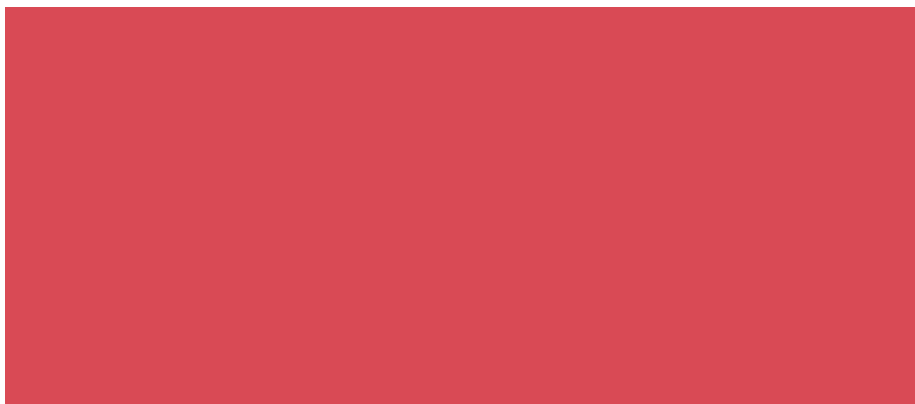
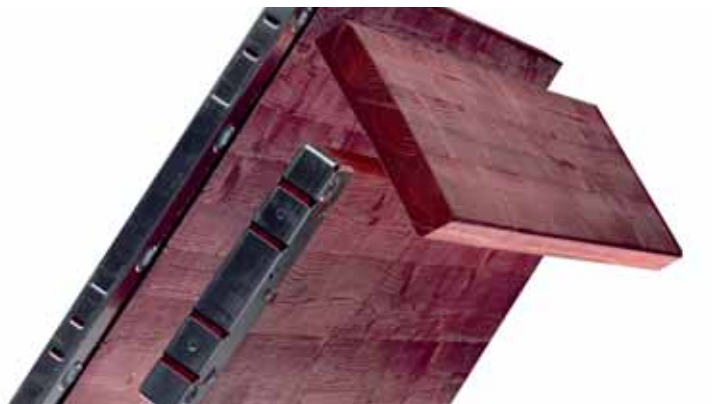
Glued scaffold boards for cladding scaffold systems are made of 3 to 10 times glued, visually graded timber. They offer an alternative to one-piece solid wood planks.

The high quality of hand-picked raw material combined with state-of-the-art production results in glued structural timber products with excellent strength properties, appearance and consistent as well as uniform high quality. The block bond of several single lamellae increases the bending strength and loading behaviour of scaffold boards and reduces twisting and cracking.

An economical and secure component is available for almost all typical system-free scaffold constructions. Goods can be profiled according to customer specifications, marked or labelled and also produced in special lengths.



- Reliable, high and consistent quality
- Block bonding secures higher confidence in a durable product
- Minimised twisting and cracking



Technical details

- **Processing:** Visually graded, block-bonded
- **Wood species:** Spruce
- **Moisture content:** Max. 15%
- **Surface:** Planed or sanded, red dyed on demand, square-cut and chamfered on 4 sides (ease-edged) marked with initialling wheel
- **Strength class:** S 10 TS/C 24
- **Glue:** Resorcin
- **Thickness:** 35–120 mm
- **Widths:** 240–625 mm
- **Lengths:** 2, 2.50, 3 m
- **Country of origin:** Germany
- **Certifications:** PEFC, ISO 9001/14001, Approval B by MPA BW



Engineered construction wood

Solid construction timber

“Konstruktionsvollholz”(KVH®) for sophisticated modern structures.

Finger-jointed solid construction timber (KVH®) is typically made of Central European spruce to be used in modern timber construction applications. KVH® is characterised by defined load-bearing capacities. The attractive planed surfaces and fast delivery times to the point of use satisfy the high requirements of house owners, designers and craftsmen in every respect.

KVH® is produced and stocked in standard cross sections to cover all the requirements of modern timber frame construction. The advantages of standardisation for trade and the processing industry are obvious: produced as stock, short delivery times, economic planning and construction. On top of this we are able to produce KVH® on your demand: flexible, individual and fast.



- Precise fit
- Attractive appearance
- Finger-jointing permits production in every length up to 16 m
- Superior dimensional stability due to technical drying process



Technical details

- **Processing:** Finger-jointed, planed, squared ends
- **Wood species:** Spruce (pine and larch on request)
- **Moisture content:** 15% ±3%
- **Surface:** Planed, side-dressed and 4-side chamfered (ease-edged)
- **Grades:** For exposed use (visible quality – SI) and hidden structures (not exposed end use NSI)
- **Strength class:** S 10 TS (according to DIN 4074-1/C 24 (EN 338))
- **Thickness:** Standard 60–140 mm (stepwise in 20 mm gradation, other dimensions on request)
- **Widths:** Standard 100–280 mm (stepwise in 20 mm gradation, other dimensions on request)
- **Lengths:** 5 and 13 m (up to 16 m)
- **Service:**
 - Standard: Bundles consisting of a single cross-section and grade in a defined packaging unit
 - System lengths: Bundled in one special length of for example 7, 7.5, 8, 8.5 or 9 m, with uniform size and quality (NSI, SI)
 - List: Optimised list of different cross sections in multiple lengths in one bundle
 - Cross cutting and trenching possible upon request
- **Country of origin:** Germany, the Czech Republic
- **Certifications:** PEFC, ISO 9001/14001, Approval B by MPA BW, EN 385, DIN 68140



Further processed construction wood

Hagarazai, Japan

Stora Enso Timber provides further processed timber studs, floor joists and roof rafters to the Japanese market. The products are ideal for Japanese houses due to their good stability, optimal strength values and smooth surface. Stable and high visual quality adapt well to local requirements.



- Exact size tolerances due to modern, state-of-the-art production
- All standard sizes available
- Consistent and uniform quality



Technical details

- **Processing:** Planed, finger-jointed
 - **Wood species:** Spruce and pine
 - **Moisture content:** 18% \pm 2%
 - **Surface:** Planed
 - **Grades:** A, B
 - **Strength class:** N/A
 - **Thickness:** 18–45 mm
 - **Widths:** 40–120 mm
 - **Lengths:** 2 700–3 985 mm
 - **Glued products:** Edge-glued Mabashira/Neda
- Country of origin:** Austria, Finland, the Czech Republic, Estonia
Certifications: PEFC, FSC



Further processed construction wood

Lamina, Japan

Stora Enso Timber manufactures rough or planed laminas for glued laminated beams and posts for the Japanese market. These items are well adapted to Japanese requirements due to their stable and high visual quality and effortless further processing.



- Exact size tolerances due to modern, state-of-the-art production
- Variety of size and length
- Consistent and uniform quality



Technical details

- **Processing:** Rough or planed
- **Wood species:** Spruce and pine
- **Moisture content:** 12% \pm 2%
- **Grades:** A, AB, C
- **Strength class:** N/A
- **Thickness and widths (rough):** 34 x 112/127 mm (beam), 24/28 x 110/127 mm (post)
- **Thickness and widths (planed):** 22 x 106 mm (post), 32 x 109/124 mm (beam)

- **Lengths:** 2 985–5 985 mm
- **End use:** Glue-laminated posts and beams

Country of origin: Austria, the Czech Republic, Estonia, Finland, Sweden

Certifications: PEFC, FSC

Further processed construction wood

Strength graded, structural lumber, North America

The high quality of European raw material gives our products excellent strength values, appearance and consistent quality. Our 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, such as commercial and residential construction, as well as for industrial applications. Our customers appreciate the high and consistent quality enabling them to save time and money in any application.



- Highly accurate size tolerances
- Superior form stability and surfacing
- Consistent and uniform quality
- High environmental standards
- Flexible sizes and lengths



Technical details

- **Processing:** Planed, finger-jointed, head treated, PET, Machine stress graded (MSR)
- **Wood species:** Spruce (*Picea abies excelsa*), pine (*Pinus sylvestris*) and douglas fir/larch (*Pseudotsuga-larix deciduas*)
- **Moisture content:** 18% \pm 2%
- **Surface:** Planed
- **Grades:** ALS/WCLIB No.1, No.2, 1650F, 2100F
- **Thickness:** 2–4' (38–89 mm)
- **Widths:** 2–12' (38–286 mm)
- **Lengths:**
 - In solid from 6'–18' (1.8–5.5 m)
 - Finger-jointed 6'–78' (1.8–24 m)

Country of origin: the Czech Republic, Austria, Finland, Sweden, Estonia, Lithuania, Germany
Certifications: HFA, EMAS, ISO 14001, ISPM



Further processed construction wood

Strength graded, structural timber, Europe

European structural timber is the optimal building material for European timber frame houses and their 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.

European structural timber is an excellent renewable resource for commercial and residential construction as well as for industrial applications.



- Highly accurate size tolerances
- Stability with superior surfacing and form
- Consistent and uniform quality with the best available grading technology
- Highly developed in-house know-how regarding strength grading
- High environmental standards
- Flexible sizes and lengths



Technical details

- **Processing:** Machine and/or visual strength-graded, regularised, PAR, PET
- **Wood species:** Spruce
- **Moisture content:** 16% ±2%
- **Surface:** Rough or planed
- **Strength class:** CE C14–C40, TR26
- **Thickness:** 35–55 mm
- **Widths:** 75–225 mm
- **Lengths:** 2.4–6 m, solid and/or finger-jointed

Country of origin: Finland, Sweden, Estonia, Lithuania, Austria, the Czech Republic, Russia
Certifications: CE marking, PEFC, FSC, EMAS, ISO 14001



Further processed construction wood

Strength graded, structural lumber, Australia

The high quality of European raw material gives our products excellent strength values, appearance and consistent quality. Our 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 Australian timber frame houses, such as commercial and residential construction, as well as for industrial applications. Our customers appreciate the high and consistent quality enabling them to save time and money in any application.



- Highly accurate size tolerances
- Superior form stability
- Consistent and uniform quality
- High environmental standards
- Flexible sizes and lengths
- All structural products produced to Australian standards
- Termite treated (optional)



Technical details

- **Processing:** Planed or rougher headed, finger-jointed, Kiln dried (Heat treated), PET, Machine stress graded (MSR)
- **Wood species:** Spruce (*Picea abies excelsa*), pine (*Pinus sylvestris*) and douglas fir/larch (*Pseudotsuga-larix deciduas*)
- **Moisture content:** 15% average or less
- **Surface:** Planed/rougher headed
- **Grades:** MGP10, MGP12, F grades
- **Thickness:** 35/45 mm
- **Widths:** 70, 90, 120, 170, 190 mm
- **Lengths:**
Studs 2.4, 2.7, 3.0, 3.3
Longs 3.6–6.0 m
- **Country of origin:** the Czech Republic, Austria, Finland, Sweden, Estonia, Lithuania
- **Certifications:** HFA, EMAS, ISO 14001, ISPM

Basic construction wood

Genban, Japan

Stora Enso Timber provides its Japanese customers a steady supply of basic sawn timber as raw material for all structural parts in a timber frame house. These items are well adapted to Japanese requirements due to their stable and high visual quality and easy further processing.



- Exact size tolerances due to modern, state-of-the-art production
- Flexible size and length
- Consistent and uniform high quality



Technical details

- **Processing:** Sawn
- **Wood species:** Spruce and pine
- **Moisture content:** 18% \pm 2%
- **Surface:** Rough
- **Grades:** A, B
- **Strength class:** N/A
- **Thickness:** 32, 42, 47 mm

- **Widths:** 150, 175, 200, 225 mm
- **Lengths:** 2 700–5 400 mm
- **Glued products:** N/A

Country of origin: Austria, Finland, Sweden
Certifications: PEFC, FSC

Basic construction wood

Traditional sawn timber

High quality sawn timber for various construction end-uses.

Stora Enso Timber state-of-the-art mills provide standard and customised qualities and sizes for the building industry, such as for Glulam, three-ply board, log house and wall element producers. Goods are cut and graded according to the needs of the end use. Typical examples are raw material for Gurte and Scaffold boards, KVH, and various lamellas for building purposes. Our mills utilise the most modern log sorting and automatic grading technology to select the best raw material for each end-use, aiming to reduce handling costs and raw material waste for our customers.



Basic construction wood



- Environmentally certified raw material
- Flexible dimensions and lengths, highly accurate size tolerances
- Accurately sawn, kilned and graded according to wood features
- Stable supply and continuous development in products and services



Technical details

- **Processing:** Utilising the most modern sawmilling technology
 - **Wood species:** Pine and spruce (*Picea abies* and *Picea abies excelsa*)
 - **Moisture content:** Standard moisture content between 10–20% \pm 2%, green, customised KD on request
 - **Surface:** Rough sawn
 - **Grading:** Standard grading SF, PF, 0-3, 0-4, 0-5, customised grade mixes
 - **Thickness:** 16–100 mm
 - **Widths:** 22–300 mm
 - **Lengths:** 2.7–6 m in 30 cm modules, 2.5–6 m in 50 cm modules
 - **Packing:** LP, TP
 - **Package protection:** 5-sided recyclable wrapping/without wrapping/top layer protection
- Country of origin:** Finland, Sweden, Russia, Estonia, Latvia, Lithuania, Austria, the Czech Republic, Poland
- Certifications:** PEFC, FSC, EMAS, ISO 14001, ISPM15





Basic packaging wood

Schaals and sideboards

Central European, nearly sharp-edged sideboard products as well as Nordic, Baltic and Russian wane products mainly for packaging, pallets and cable drums.

Our mills are located close to the European pallet industry to support their needs. We utilise the most modern sawmilling technology, aiming to reduce handling costs and raw material waste for our customers.



- Standard sizes, but also production on demand
- Accurately sawn, kilned and graded according to wood features
- High environmental standards



Technical details

- **Processing:** Utilising the most modern sawmilling technology
 - **Wood species:** Pine and spruce
 - **Moisture content:** Standard moisture content 18% \pm 2%, fulfilling ISPM15 requirements. Green, anti-blue stain treated
 - **Surface:** Rough-sawn
 - **Grading:** Own grading rules using Nordic and CE grading rules
 - **Thickness:** 16–50 mm for the Nordic countries, Baltic states and Russia; 12–23 mm (standard: 12, 13, 14, 17, 20, 22 mm) for the continental European mills
 - **Widths:** 75–150 mm (mainly 100, 125 mm), for continental Europe 60–150 mm (standard: 60, 70, 75, 95, 115 mm)
 - **Lengths:** 2.4–6 m in 30 cm modules; for continental Europe 2.45–5 m in 50 cm steps (mainly 3 and 4 m)
 - **Packing:** LP, TP (unsticked)
 - **Package protection:** 5-side renewable wrapping/without wrapping/top layer protection
- Country of origin:** Finland, Sweden, Russia, Estonia, Latvia, Lithuania, Austria, the Czech Republic, Poland
- Certifications:** PEFC, FSC, EMAS, ISO 14001, ISPM15

Glossary

Approval B by MPA BW	German approval for manufacturers that meet the criteria, producing glulam with a length of not more than 12 m. In German it is called “Leimgenehmigung”.
CE-marking	According to EN 14081. Timber structures – Strength graded structural timber with rectangular cross section.
CEN	The European Committee for Standardization.
CLS	Canadian Lumber Standard.
DIN 4074	Strength grading of wood – Part 1: Coniferous sawn timber.
DIN 68140	A standard for wood finger-jointing – Part 1: Finger jointing of softwood for load-bearing structures.
EMAS	Eco-Management and Audit Scheme – a voluntary environmental management system applicable in Europe, based on the EU EMAS regulation.
EN 338	Timber structures – Strength classes.
EN 385	Finger-jointed structural timber. Performance requirements and minimum production requirements.
EN 13307	A standard for Timber blanks and semi-finished profiles for non-structural uses.
EN 14342	Wood flooring. Characteristics, evaluation of conformity and marking.
EN 14915	Solid wood panelling and cladding. Characteristics, evaluation of conformity and marking.
FSC	Forest Stewardship Council – an international forest certification system.
HFA	Holzforschung Austria (HFA) is an applied research institute accredited for testing and quality assurance.
ISPM	International Standards for Phytosanitary Measures. ISPM15=International Standards for Phytosanitary Measures, number 15.
ISO 9001	An international quality management standard.
ISO 14001	An international environmental standard series on the basis of which companies build environmental management systems.
JAS	Japan Agriculture Standard.
KOMO	A quality standard for the Dutch building sector (www.komo.nl).
OHSAS 18001	A global standard created for occupational health and safety management by the International Organization for Standardization.
PAR	Planed all round.
PEFC	Programme for the Endorsement of Forest Certification schemes – an international forest certification system.
PET	Precision end trimmed.
Technical approval Z.9.1-440 (DIBt)	German technical approval for Duo and Trio beams. The approval is submitted by the “Studiengemeinschaft KVH”.
Technical approval Z-9.1-559	German approval for Cross Laminated Timber (CLT). It is required for selling structural building materials in the German market. It is also valid in Austria, Spain, Italy up to now.
WCLIB	West Coast Lumber Inspection Bureau – an Oregon non-profit service corporation which exists for the benefit and protection of buyers, sellers, and consumers of softwood lumber.

In this catalogue

Species (if not mentioned otherwise)

Pine (*Pinus sylvestris*)

Spruce (*Picea abies*)

Packing

LP = one length per pack or

TP = length variation included in the same pack

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Mill sites and capacities 2007

27 production plants

● Sawing capacity, m³/a
Total 7 400 000 m³

● Further processing capacity, m³/a
Total 3 155 000 m³



