



Eco Synonyme Gruppe

TIMBER PRODUCT PORTFOLIO

ESB Panels

& OSB Box Floor Elements.

A complete structural solution for modern timber construction —
engineered for strength, designed for sustainability.

Eco Synonyme Vertrieb GmbH

Distribution & Sales Partner for Scandinavia



Two products. One structural vision.

A focused portfolio built for modern timber construction — from panel sheathing to complete floor systems.



ESB PANELS

Engineered wood panels

High-performance panels for walls, floors and roofs. Strong, versatile and sustainably produced — the reliable core of any timber shell.



OSB BOX FLOOR

Prefabricated floor elements

Closed box elements based on OSB panels with a ribbed internal structure. Efficient, reliable and ready for fast installation in modern floor and roof systems.

Two proven products. Four measurable advantages.

Together, ESB panels and OSB box floor elements deliver a complete, coordinated timber-construction portfolio — backed by reliable sourcing through Eco Synonyme.

STRONG

high load-bearing capacity

Engineered for demanding structural applications.

SUSTAINABLE

renewable wood resources

Low embodied carbon from local sourcing.

VERSATILE

wide application range

Walls, floors, roofs and full floor systems.

EFFICIENT

prefabricated precision

Large formats and factory accuracy reduce site work.

PART I

ESB Panels

Engineered for Strength. Built for the Future.

High-performance panels for construction and industrial applications.

Sustainable. Strong. Versatile.

ESB panels are the ideal choice for modern construction and industrial applications.

THE PRODUCT IN BRIEF

- Engineered wood panels manufactured from renewable wood resources.
- High load-bearing capacity and dimensional stability for structural use.
- Suitable for walls, floors, roofs and prefabricated construction systems.
- Available in large formats with smooth, sanded surfaces ready for finishing.
- Distributed across Scandinavia by Eco Synonyme as a reliable supply partner.



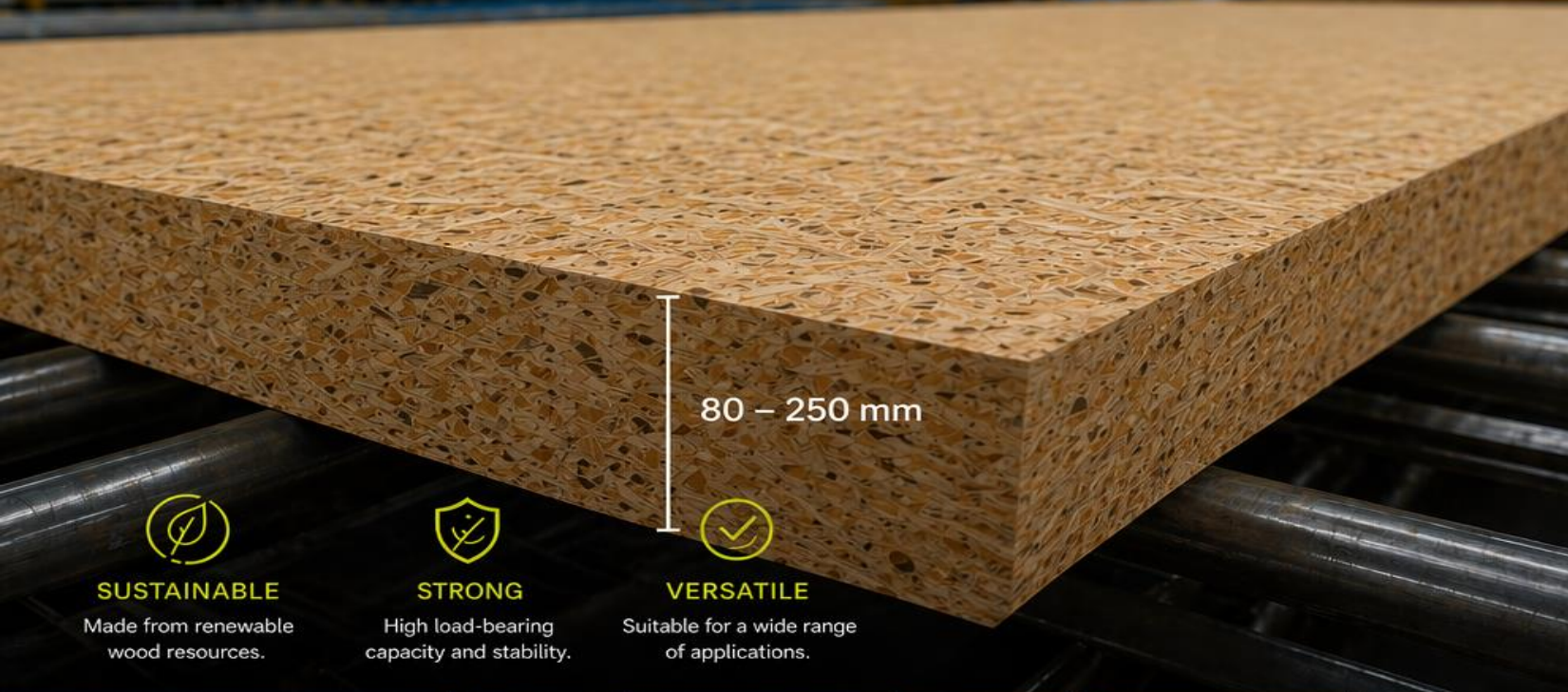


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ESB Panels

Engineered for Strength.
Built for the Future.

High-performance panels for
construction and industrial applications.



80 – 250 mm



SUSTAINABLE
Made from renewable
wood resources.



STRONG
High load-bearing
capacity and stability.



VERSATILE
Suitable for a wide range
of applications.

Top Layer
Smooth surface
for a perfect finish

Core Layer
High stability
and load capacity

Bottom Layer
Smooth surface
for easy handling



PRECISE PROCESSING
Easy to cut, drill and install.



RELIABLE PERFORMANCE
Consistent quality you can build on.



EFFICIENT HANDLING
Large formats for fast progress.



SECURE PACKAGING
Protected for transport and storage.

TECHNICAL SPECIFICATIONS

Thickness	80 – 250 mm
Formats	Up to 2,800 x 6,250 mm
Density	650 – 700 kg/m ³
Moisture Content	6 – 12 %
Usage Classes	1 & 2
Standards	EN 300, CE certified

A layered build-up for strength and finish.

The panel combines a stable core with two smooth outer surfaces for a complete performance profile.

01

TOP LAYER

Smooth surface

Finely oriented strands create a smooth, even surface ready for coating, painting or direct finishing.

02

CORE LAYER

High stability

Long oriented strands in the core provide high load-bearing capacity and structural stability.

03

BOTTOM LAYER

Smooth surface

Identical fine-strand surface on the underside ensures consistent handling and installation quality.

Key product characteristics.

What makes ESB panels a confident choice for modern timber construction.



Sustainable

Made from renewable wood resources.



Strong

High load-bearing capacity and stability.



Versatile

Suitable for a wide range of applications.



Smooth surface

Sanded and ready for paint, coating or glue.



Large formats

Efficient coverage of big surface areas.



Precise processing

Easy to cut, drill and install on site.



Reliable quality

Consistent specifications you can build on.



Secure packaging

Protected for transport and storage.

Where ESB panels perform.

A proven material across the full range of construction and industrial use cases.

WALL SHEATHING

Load-bearing and bracing panels for timber frame walls.

FLOOR DECKS

Structural sub-floor panels with smooth, sanded surfaces.

ROOF ELEMENTS

Large-format roof panels for fast dry enclosure.

PREFAB CONSTRUCTION

Standard component in industrial timber frame production.

INDUSTRIAL USE

Robust panels for packaging, handling and heavy-duty applications.

INTERIOR LININGS

Decorative or functional panel surfaces for interior fit-out.

ESB Panels

Sustainable. Strong. Versatile.

ESB panels are the ideal choice for modern construction and industrial applications.



Eco-friendly



Durable



Versatile



Product Structure

Top Layer
Finely oriented strands for a smooth and strong surface

Core Layer
Long oriented strands for high stability and load capacity

Bottom Layer
Finely oriented strands for a smooth and strong surface



Proven in real timber frame projects.

From single-family homes to multi-storey residential and commercial developments.

IN PRACTICE

- Core sheathing panel for timber frame walls — bracing and load distribution.
- Consistent quality allows for repeatable detailing across multiple project typologies.
- Large formats reduce the number of joints and speed up on-site installation.
- Compatible with standard insulation, cladding and interior lining systems.
- Widely used in prefabricated housing production across Central Europe.

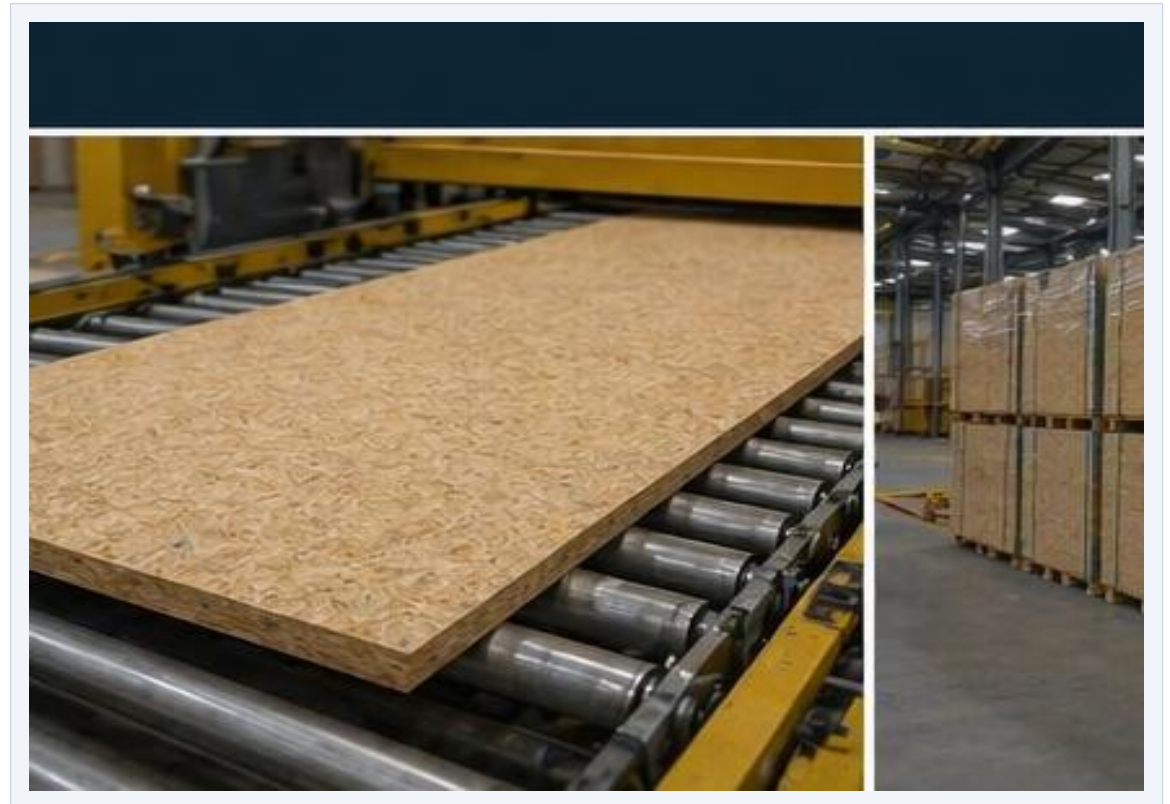


Easy to work with on site and in the shop.

A sanded surface and consistent panel behaviour mean fewer surprises during processing.

WORKFLOW ADVANTAGES

- Clean cutting, drilling and screwing with standard woodworking tools.
- Sanded surfaces accept paints, lacquers, adhesives and decorative films directly.
- High dimensional stability simplifies installation planning and detailing.
- Suitable for CNC-based prefabrication workflows and manual on-site assembly.
- Consistent panel quality removes a source of rework and programme risk.



Delivered ready for the site.

Secure packaging, clean stacks, and a transparent delivery chain to the Nordic market.

LOGISTICS AS PRODUCT

- Panels arrive palletised and wrapped, ready for immediate site handling.
- Packaging protects panels from moisture, dust and edge damage during transit.
- Sequenced deliveries available for large projects to reduce site storage needs.
- Clear product labelling and consistent packaging units simplify receiving and handling.
- EU-internal shipping through Eco Synonyme — predictable lead times, no customs friction.



Renewable by design.

A wood-based product that takes sustainability seriously — from source to site.

RENEWABLE

Manufactured from sustainably sourced wood resources.

LOW CARBON

Timber-based shell stores carbon rather than emitting it.

EFFICIENT

Wood strands make optimal use of available fibre.

DRY CONSTRUCTION

Less water, less waste, less site disturbance.

LOCAL SUPPLY

Short transport distances within the European network.

RECYCLABLE

End-of-life options include thermal recovery and reuse.

ESB Panels — in one sentence.

A strong, sustainable and versatile panel — trusted across modern timber construction, and ready for Scandinavian projects of every scale.

STRONG

Load-bearing by design.

SUSTAINABLE

Renewable wood resources.

VERSATILE

Walls, floors, roofs, industry.



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PART II

OSB Box Floor Element

Strong. Efficient. Versatile.

A high-performance box element based on OSB panels for modern timber construction.



A closed box floor element — engineered for efficiency.

OSB panels combined with a ribbed internal structure for strong, versatile floor and roof systems.

THE PRODUCT IN BRIEF

- Prefabricated closed box element based on OSB panels.
- Top and bottom faces made of OSB panels for a closed structural build-up.
- Engineered ribbed core between the panels for reliable load-bearing performance.
- Delivered as a complete element, ready for quick on-site assembly.
- Designed for use in modern timber floor and roof construction.





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OSB BOX FLOOR ELEMENT

Strong. Efficient. Versatile.

High-performance box element based on OSB panels for modern timber construction.

PRODUCT PARAMETERS

Element type	OSB box element
Material	OSB panels
Top panel	OSB
Bottom panel	OSB
Core	Ribbed box structure
Application	Floors & roofs
Build-up	Prefabricated element
Use	Modern timber construction



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SUSTAINABLE BY DESIGN

Efficient use of wood resources.
Reliable prefabrication.
For modern building solutions.



VERSATILE

Suitable for
efficient floor and
roof structures.



HIGH STRENGTH

Engineered ribbed
structure for reliable
performance.



FAST INSTALLATION

Prefabricated
elements support
quick on-site
assembly.



ECONOMICAL

Efficient material
use and practical
construction
process.



SUSTAINABLE

OSB-based solution
for resource-
conscious building.



Illustrative OSB element

Product parameters.

The OSB box floor element at a glance.

<p>ELEMENT TYPE</p> <p>OSB box element</p> <p>Prefabricated closed element</p>	<p>MATERIAL</p> <p>OSB panels</p> <p>Engineered wood panels</p>
<p>TOP PANEL</p> <p>OSB</p> <p>Upper structural face</p>	<p>BOTTOM PANEL</p> <p>OSB</p> <p>Lower structural face</p>
<p>CORE</p> <p>Ribbed box structure</p> <p>Internal load-bearing system</p>	<p>APPLICATION</p> <p>Floors & roofs</p> <p>Timber construction systems</p>
<p>BUILD-UP</p> <p>Prefabricated element</p> <p>Delivered ready for assembly</p>	<p>USE</p> <p>Modern timber construction</p> <p>Residential and commercial</p>

How the box element is built.

A carefully engineered cross-section combining OSB panels with an internal rib structure.

CROSS-SECTION LOGIC

- Upper face built from an OSB panel for a closed structural surface.
- Internal rib structure running longitudinally between the two OSB faces.
- Lower OSB panel closes the box and completes the load path.
- Ribs are factory-bonded to both panels for a monolithic assembly.
- Result: a strong, efficient and versatile floor or roof element.



Illustrative OSB box element

Key product characteristics.

What makes the OSB box element a confident choice for modern floor and roof systems.



Closed box structure

OSB panels enclose a ribbed internal core.



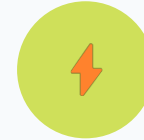
High strength

Engineered ribbed structure for reliable performance.



Versatile

Suitable for floors, roofs and hybrid systems.



Fast installation

Prefabricated elements speed up site assembly.



Economical

Efficient material use and practical construction.



Sustainable

OSB-based solution for resource-conscious building.



Factory-built

Engineered and bonded under controlled conditions.



Branded & traceable

Elements carry the Eco Synonyme product mark.

Where the OSB box element fits.

Building typologies that benefit from prefabricated floor and roof systems.

RESIDENTIAL FLOORS

Efficient floor construction for single- and multi-family homes.

MULTI-STOREY HOUSING

Apartment buildings where repeatable floor layouts benefit from prefabrication.

COMMERCIAL & OFFICE

Floor plates for modern, flexible office and commercial layouts.

ROOF CONSTRUCTION

Pre-built roof elements for fast dry enclosure on site.

PREFAB HOUSING

Integrated component in industrial timber house production.

HYBRID CONSTRUCTION

Timber floors combined with concrete or steel structural frames.

From factory to final position.

Prefabricated delivery means fast, clean and predictable element installation.

ON THE SITE

- Elements arrive fully prefabricated from the production facility.
- Direct crane lift from truck bed to final structural position.
- Prefabricated element sizes speed up on-site assembly.
- Dry construction — no curing time before the next trades can start.
- Consistent element geometry supports repeatable installation sequencing.



OSB Box Floor — in one sentence.

A prefabricated closed box element based on OSB panels — strong, efficient and versatile, delivered ready to install.

STRONG

Engineered ribbed core.

EFFICIENT

Fast prefabricated assembly.

VERSATILE

Floors, roofs, hybrid systems.

Two products, one coordinated system.

ESB panels and OSB box floor elements combine cleanly within a single timber construction workflow.

ESB PANELS

- Structural sheathing for walls and roofs.
- Sub-floor decks under finished floors.
- Interior linings and decorative surfaces.
- Industrial and packaging applications.

OSB BOX FLOOR

- Primary floor structure between storeys.
- Prefabricated floor plates for residential and commercial use.
- Roof decks where a structural ceiling is needed.
- Hybrid construction with concrete or steel frames.

Your distribution partner for Scandinavia.

We connect certified European timber production to Nordic project delivery.

01 NORDIC FOCUS

Our commercial operation is structured around Scandinavian project timelines, site conditions and procurement practices.

02 PRODUCT EXPERTISE

Deep product knowledge on ESB panels and OSB box floor elements — we support specification, detailing and ordering.

03 SUPPLY RELIABILITY

Long-term relationships with certified European manufacturers secure lead times and price stability.

04 COMMERCIAL SIMPLICITY

One contract, one point of contact, one accountable partner — from quotation through to site delivery.

From first conversation to first delivery.

A clear, low-friction path toward a working commercial partnership.

01

INTRO CALL

Short call covering your project pipeline, typologies, timelines and current materials.

02

PRODUCT FIT REVIEW

Review of candidate projects — ESB panel use, OSB box floor elements, logistics and detailing.

03

COMMERCIAL OFFER

Project-specific quotation with transparent lead times, delivery sequencing and support.

04

FIRST DELIVERY

First shipment under agreed terms — the start of a recurring supply relationship.

Ready to talk about your next timber project? We are.

Two products. One partner.



ESB PANELS

Strong · Versatile · Sustainable



OSB BOX FLOOR

Strong · Efficient · Versatile



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Eco Synonyme Vertrieb GmbH

ESB Panels · OSB Box Floor Elements · Distribution Partner for Scandinavia

GET IN TOUCH

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Thank you.