

MORE FROM WOOD.



EGGER OSB Combiline

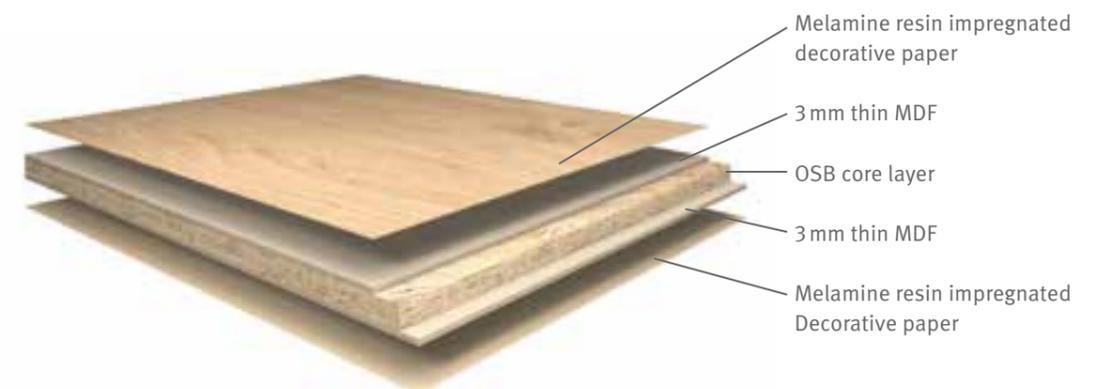
**Stable and resistant to bending
under maximum stress**



Eurodekor OSB Combiline

Eurodekor OSB Combiline is a melamine-resin-coated, high-strength composite element with a core layer of OSB and a double-sided cover layer made of thin MDF.

It is the optimum solution for furniture and interior fittings subject to heavy bending stresses, such as partition walls, ceiling or wall coverings, stage and trade fair construction elements, shelves with spans of over 100 cm, tables and counters.



The core layer of OSB is a three-layered multilayer board made of micro-veneers, so-called strands. The special strand geometry and its crosswise orientation of the layers ensures excellent technical properties.

The cover layers of 3 mm thin MDF are ideal for coating thanks to their regular and fine-grained surface. Covering with laminate, finish foil or veneer as well as decorative varnishing at the joiner's premises are possible.

Eurodekor OSB Combiline is available in the tried and tested **decor and material combination of the EGGER Decorative Collection**. All 229 decors are available as melamine-resin-coated chipboard or MDF, Eurolight lightweight boards or **OSB Combiline** as well as laminate. In addition, there are edging solutions perfectly matched to the decor and texture.

The melamine-resin-coated surface of Eurodekor OSB Combiline is ready for use. Covering with laminate or veneer and varnishing is not necessary.

Product variants at a glance

OSB Combiline raw



The high-quality and homogeneous material is easy to process and saves time. Thanks to the thin MDF cover layers, it can be individually milled, painted, veneered or covered with laminate or finish foil without pre-treatment.

Execution	Thicknesses (mm)	Sizes (mm)	Information
uncoated	19/22/25	2,800 × 2,070	available ex stock
		5,610 × 2,070	on request

Product characteristics

High bending strength

The OSB core layer of the OSB Combiline ensures excellent strength properties and correspondingly furniture that is able to withstand heavy loads.

High resistance to axial withdrawal of screws

Unlike solid wood materials, OSB Combiline is free of knots and joints in the core layer. The fitting finds optimal hold right up to the edge of the board.

Low formaldehyde content

The OSB core layer is glued formaldehyde-free, which enables the use of this material also for projects with increased emission requirements, such as tenders in the public sector.

Cut with minimal waste

The board width of 2070 mm ensures low waste even with larger cut parts. Thanks to the small differences in strength in the longitudinal and transverse directions, cuts can generally be optimised regardless of direction.

Individual surface design

The thin MDF cover layers are ideal for milling and coating thanks to their regular and fine-grained surface.

Eurodekor OSB Combiline



Compared to plywood or chipboard, the surface of Eurodekor OSB Combiline has a ready-coated finish. Covering with laminate, veneer or varnishing are not necessary. This saves the fabricator time and costs and, thanks to the decor match of the EGGER Decorative Collection, offers a wide range of decors and surfaces.

Execution	Thicknesses (mm)	Sizes (mm)	Minimum order quantity
Decors in the EGGER Decorative Collection coated on both sides	19/22/25	2,800 × 2,070	2 items with delivery time
		5,610 × 2,070	3 items with delivery time
Decors in the EGGER Decorative Collection with synchronised pore surface coated on both sides	19/22/25	2,800 × 2,070	24 items with delivery time
		5,610 × 2,070	12 items with delivery time

Product characteristics

Decor variety

Eurodekor OSB Combiline is available in decor and material combinations with other EGGER products. It thus offers the entire spectrum of decors and surfaces for numerous applications in furniture and interior design.

Ready-to-use surface

Eurodekor OSB Combiline offers the fabricator a ready-to-use surface. There is no need to cover the raw material with laminate, varnish or veneer - this saves time and money!

W980 SM can be used directly or as the basis for a high-quality painted surface.

Find out more about Eurodekor OSB Combiline at:

www.egger.com/eurodekor-osb-combiline

Eurodekor Plus OSB Combiline



This product variant offers a high-quality surface finish for heavy-duty surfaces. It is ideal for the contract sector, such as office furniture, furniture and interior fittings for public buildings or for high-quality shop fittings. Depending on the application and the load, the composition of the coating may vary.

Execution	Thicknesses (mm)	Sizes (mm)	Minimum order quantity
Decors in the EGGER Decorative Collection coated on both sides	19/22/25	2,800 × 2,070	24 items with delivery time
		5,610 × 2,070	12 items with delivery time

Product characteristics

Higher technical values

Eurodekor Plus OSB Combiline offers additional bending strength and increased impact resistance thanks to its multi-layer coating. In addition, wear resistance is improved in the case of a multilayer structure with overlay.



OSB Combiline as wall shelf, span width 118 cm

* The ML multi-layer structure is executed with underlay (so-called barrier paper) for improved bending strength and increased impact resistance. The HR multi-layer structure with improved abrasion values is manufactured with an overlay.

Laminate bonded board OSB Combiline



The laminate bonded board with OSB Combiline as coreboard is an extremely resistant composite element in every respect. The OSB Combiline board is covered on both sides with 0.8 mm thick decorative laminate. This design is suitable for furniture and interior fittings subject to high bending stress and with high requirements for impact, abrasion and scratch resistance, such as school and kindergarten furniture or interior fittings for military facilities.

Execution	coreboard thicknesses (mm)	Sizes (mm)	Minimum order quantity
Decors in the EGGER Decorative Collection coated with laminate on both sides	19/22/25	2,800 × 1,310	10 items with delivery time
		2,800 × 1,010 for XL laminates	

Product characteristics

Significantly improved strength values

In the case of the laminate bonded board OSB Combiline, the excellent strength properties of the coreboard are significantly increased once again by coating both sides with 0.8 mm thick laminate.



Sports hall Ernsthofen (AT), OSB Combiline as wall and ceiling cladding

Application examples



LBS Waldegg-Tourimusschule (AT)



Administration building Bergbahn Kitzbühel (AT), OSB Combiline as room partition elements

Whether as a homogeneous coreboard able to withstand heavy loads intended for veneered furniture or as a stable, paintable base material, a load-bearing design solution in furniture construction or as an element for furniture that is subject to heavy surface stress, the product variants of OSB Combiline always offer the right solution.



Shop Bad Wildungen (DE), OSB Combiline as wall shelf



Shop Heimatgold, Kitzbühel (AT) - OSB Combiline as wall shelves

Technical data

OSB Combiline raw - composite board glued to be moisture-resistant

Mechanical properties Average board values	Unit	Value		
Board thickness	[mm]	19	22	25
Density	[kg/m ³]	approx. 700		
Transverse tensile strength EN 319	[N/mm ²]	≥0.55	≥0.50	≥0.50
Bending strength main axis EN 310	[N/mm ²]	≥40	≥37	≥37
Bending strength auxiliary axis EN 310	[N/mm ²]	≥35	≥32	≥32
Bending and elasticity modulus main axis EN 310				
raw	[N/mm ²]	≥4800	≥4500	≥4800
laminated	[N/mm ²]	≥5000	≥5000	≥5000
Bending and elasticity modulus auxiliary axis EN 310				
raw	[N/mm ²]		≥3700	
laminated	[N/mm ²]		≥4000	
Surface soundness EN 311	[N/mm ²]		≥1.0	
Swelling 24 h EN 317	[%]		12	
Resistance to axial withdrawal of screws				
area	[N]		≥1500	
Edging	[N]		≥1000	
Limiting deviation between raw density and average raw density	[%]		±10	
Board moisture *EN 322	[%]		5 - 12	
Formaldehyde content ** EN 717-1				
Cover layer thin MDF	[Class]		E1E05	
core layer OSB	[Class]		formaldehyde-free glue	
Formaldehyde content EN 717-1 chamber test				
raw	[ppm]		≤ 0.05	
laminated	[ppm]		≤ 0.03	

General tolerances	Unit	Value		
Board thickness	[mm]	19	22	25
Length and width tolerance EN 324	[mm]	± 3.0		
Squareness EN 324	[mm/m]	≤2.0		
Edge straightness tolerance EN 324	[mm/m]	±1.5		
Thickness tolerance EN 324	[mm]	± 0.3		
Curvature	[mm/m]	≤1.5		

* upon delivery

** The product meets the requirements of the following formaldehyde emission class(es):

E1E05:

According to the "Ordinance on Prohibitions and Restrictions on the Placing on the Market and on the Supply of Certain Substances, Mixtures and Products according to the Chemicals Act" (ChemverbotsV), wood-based materials in Germany are subject to special requirements regarding formaldehyde emission. Accordingly, coated and uncoated wood-based materials may not be placed on the market if the equalising concentration of formaldehyde in the air of a test room caused by the wood-based material exceeds 0.1 ml/cbm (ppm). The chamber method EN 16516 is intended as the reference method. Tests according to chamber method EN 717-1 can still be performed, but the test results must be multiplied by a factor of 2.



Product advantages at a glance

The structure of the OSB Combiline offers you **safety and flexibility even for furniture that has to withstand high loads.**

Fasteners and fittings find optimum hold in the homogeneous material right up to the edges. This means that you benefit from absolute **design flexibility** right from the planning phase.

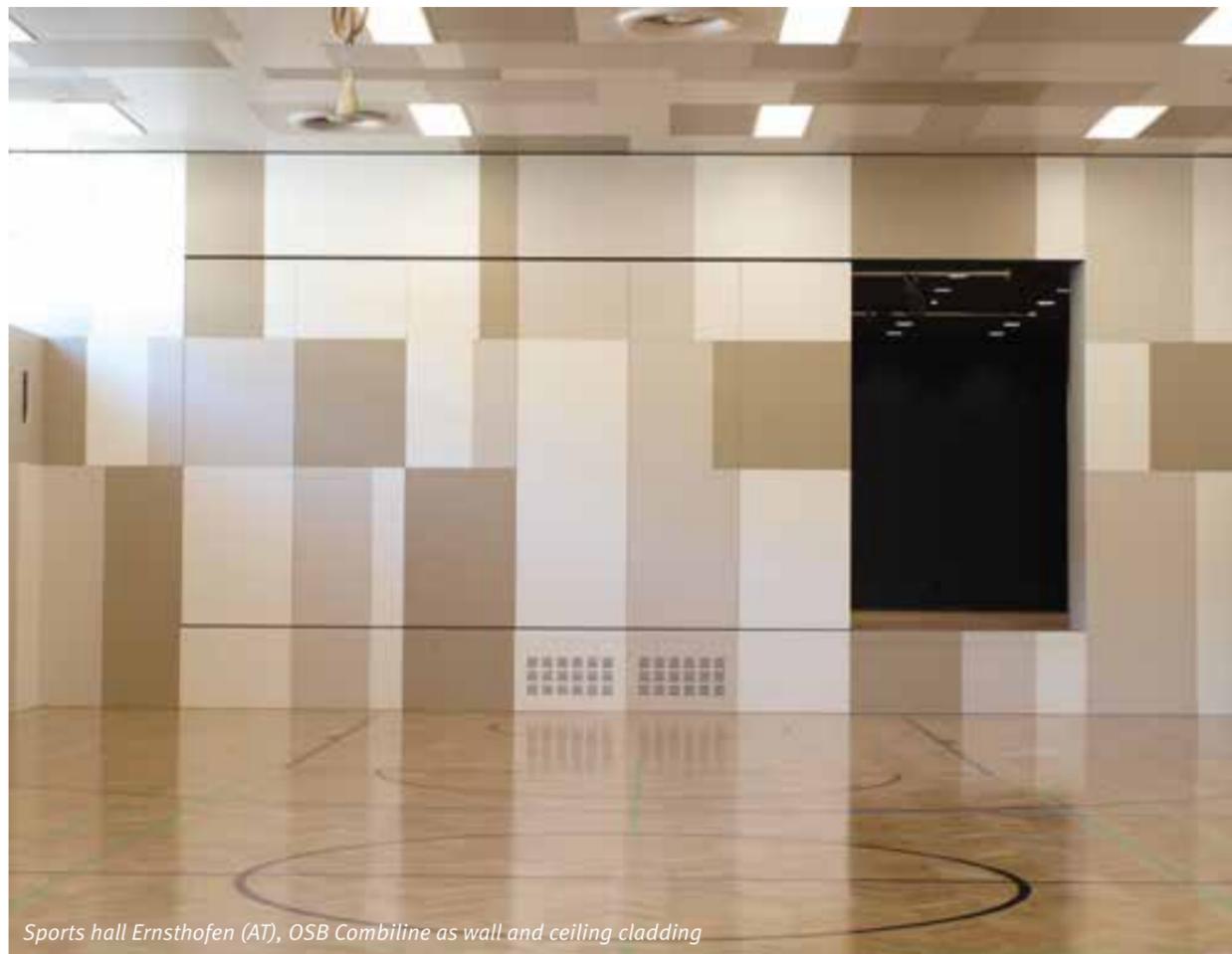
The formaldehyde-free glued OSB core layer opens up new business areas, such as public projects.

Save time and costs with the easy and direction-independent processing of the boards in a format optimised for cutting with minimal waste.

The cover layer of thin MDF is the perfect basis for milled and painted surfaces as well as surfaces covered with veneer or laminate, thus offering you **sufficient flexibility in your projects.**

Eurodekor OSB Combiline is available in the decor and material combination of the EGGER Decorative Collection.

This **allows you to design without compromise and offer your customers perfection in design.**



Sports hall Ernsthofen (AT), OSB Combiline as wall and ceiling cladding



Outdoor Shop, OSB Combiline as shelf boards (on the right side of the image)

Certifications and product regulations

Quality certifications

Thanks to the formaldehyde-free, glued OSB core layer, OSB Combiline can also be used for projects with stricter emission requirements. This is particularly useful for public building tenders. The formaldehyde content is far below the permissible E1 assessment basis at the E1E05 level applicable in Germany.

Formaldehyde content EN 717-1 chamber test:

OSB Combiline 0.05 ppm
Eurodekor OSB Combiline 0.03 ppm

Environmental certificates

We act responsibly with regard to forests and the environment and are certified according to PEFC™, FSC® and ISO38200. In accordance with the EU Timber Regulation (EUTR), we buy only wood from certified suppliers. According to our certifications we can also sell our products with certificates.



OSB Combiline boards contribute to climate protection



89% material from renewable resources



28% by-products from the sawmill industry

Further information on our sustainability indicators can be found here.:

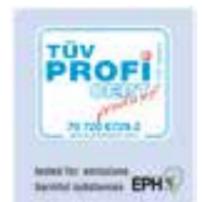
<https://www.egger.com/ecofacts>

Product specifications

VOCs (volatile organic compounds) affect room air quality. Eurodekor OSB Combiline boards are low in emissions due to their manufacturing process and can be assigned to French VOC emission class* A.



Eurodekor OSB Combiline meets the award criteria V1.1 of the certification **TÜV PROFICERT-product Interior**. This certificate confirms to the buyer the purchase of a safe product that contributes to a “healthy home”. The certificate is monitored and regularly audited. The validity of the certificate can be verified at www.proficert.com.



The TÜV emission test confirms that the requirements of the following individual labels are met.

✓	AgBB 2018	✓	Belgian VOC Regulation	✓	ChemVerbtsV E1 DE 2020
✓		✓	BREEAM Exemplary Level	✓	LEED v4

*The French decree on VOC emission classes stipulates that starting on 1 January 2012 all affected products (e.g. walls, ceilings, insulation material, doors, room partitioning boards) will be marked with their emission class.

www.egger.com

Further details and downloads for OSB Combiline can be found here:

www.egger.com/osb-combiline