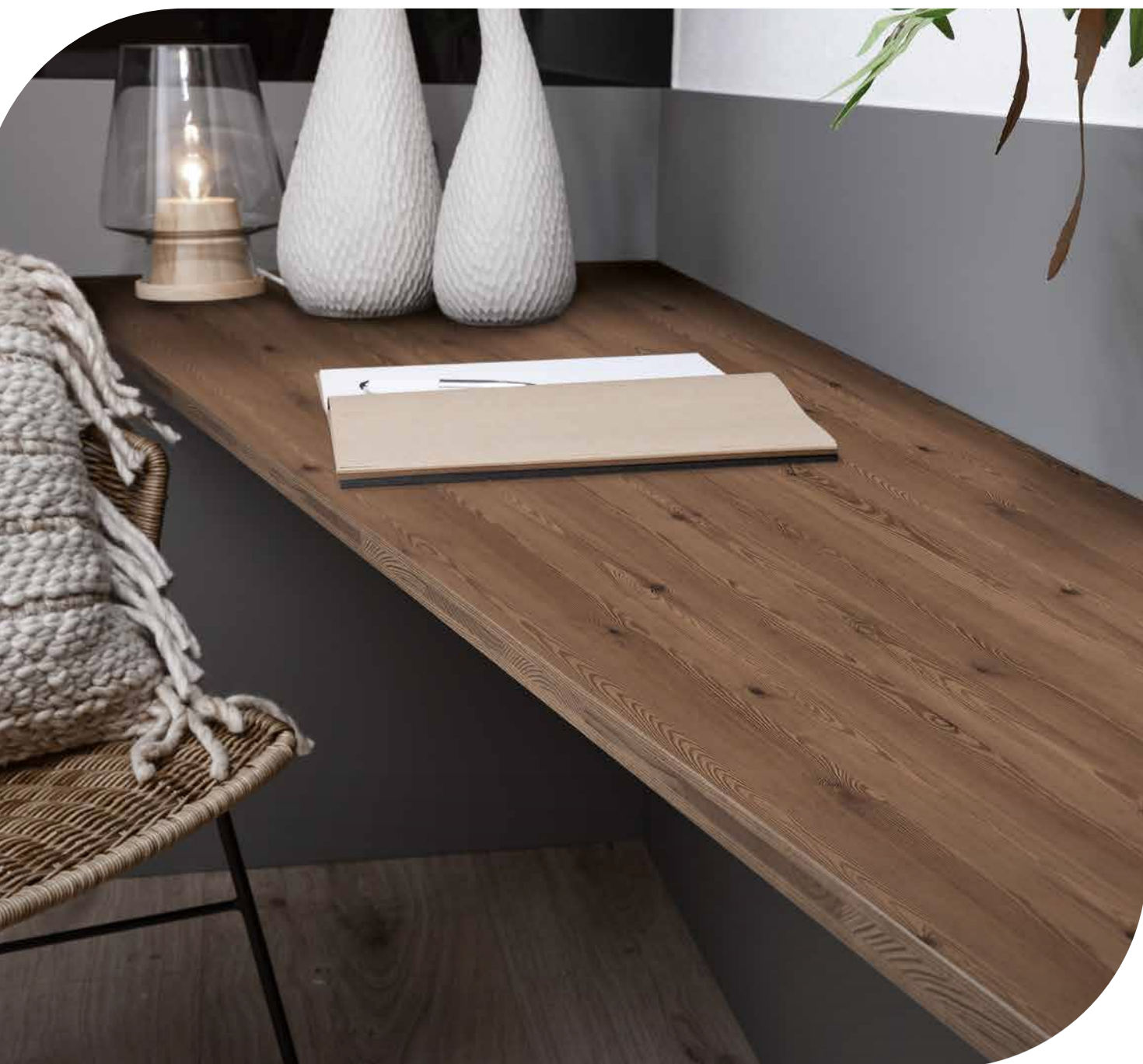


MORE FROM WOOD.



EGGER Lightweight Boards

Light and contemporary

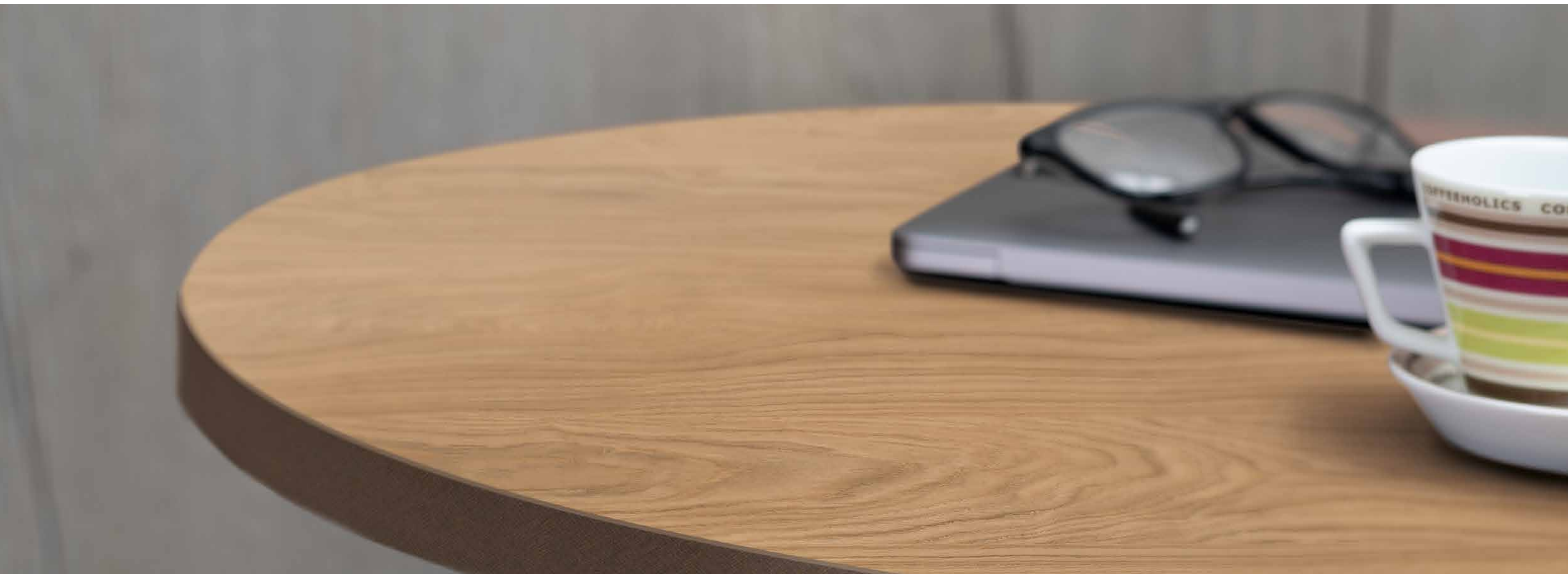
Decorative
Collection
26+



Lightweight furniture: A trend with potential

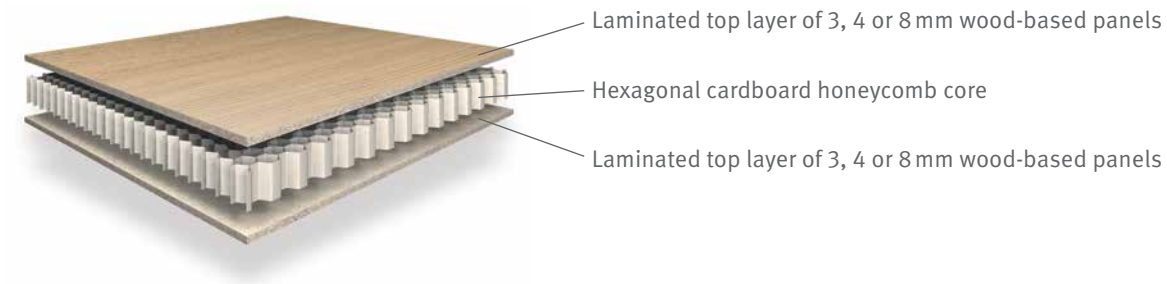
Lightweight materials play an important role in furniture construction and offer advantages for fabricators as well as end users: Low weight, high strength, flexible application possibilities, broad design freedom and economical use of the raw materials used are compelling arguments for utilising Lightweight Boards.

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EGGER Lightweight Boards



EGGER Decorative Lightweight Boards have all the characteristics of a modern wood-based material: light yet stable and economical use of the raw materials used.

Due to its sandwich construction, the board achieves high strength with little material.

Thanks to their flexural rigidity, thick tabletops or counters and cabinets with large sliding doors and extra-wide doors can be manufactured. If using solid materials, applications with such dimensions would be difficult and expensive to realise.

The low weight of the board also offers obvious handling advantages in the area of trade fair construction or shopfitting. The top layers consist of 3 or 4 mm thin particleboard or 8 mm particleboard with a raw, sanded surface and are ideal for lamination thanks to their regular, fine surface.

The middle layer is a cardboard honeycomb core made of 100% recycled paper.

Product characteristics

Design freedom with ease

EGGER Lightweight Boards allow broad freedom of design for your sophisticated designs.

Thanks to its flexural rigidity, this material can be used in many ways: From conventional lightweight construction to unusual designs, there are numerous options available to you.

For a coordinated look, Decorative Lightweight Boards are available in matching decors and textures with Decorative Boards, Laminates and ABS Edging matched to the respective decor.

If required, you can also cover the EGGER Raw Lightweight Boards with laminate or veneer in your workshop.

Lightweight Boards can be easily used for individual furniture parts or complete furniture. For wardrobes, for example, combine doors in lightweight construction with shelves made of conventional wood-based materials. In this way, you save costs through targeted use of materials without compromising on design.

Exposed cables are not only a safety risk, but also affect the look. Lighting, sockets, charging stations, speakers and even docking stations can be invisibly integrated into the cardboard honeycomb core.





Minimum weight with maximum stability

Thanks to their structure, EGGER Lightweight Boards combine lightness with stability.

Manufacture wardrobes with extra-wide doors and large sliding doors without expensive special fittings. Tables with excess length are easier to work with in your workshop and easier to assemble on site.

For floating doors or long shelves that bend less than classic wood materials, Lightweight Boards open up new perspectives and design possibilities.

At a thickness of 19 mm and with 4 mm wood-based material top and bottom layer, the cardboard honeycomb core makes EGGER Lightweight Boards 47% lighter than conventional particleboard. At a thickness of 38 mm with 8 mm wood-based material top layers, the weight reduction is 51%. This means that even larger elements can be handled without any problems. This is easy on your employees' backs and speeds up the furniture production process.

Rising logistics costs and the growth of the mail order business mean that product weight is a decisive factor. With EGGER Lightweight Boards, you can save on packing units and reduce shipping costs in the take-away furniture sector.

The general trend towards lighter materials should not be ignored: Functional sportswear, lightweight high-tech bicycle frames and light, slim laptops and monitors. The “weight guarantees good quality” approach is no longer in step with the times.

Example chest of drawers

Width: 1,050 mm
Height: 1,085 mm
Depth: 400 mm



Lightweight construction
EGGER Decorative Lightweight Boards
19 mm with 4 mm wood-based material top layers,
back panel 8 mm coated particleboard
Weight: 44.20 kg



Version with Decorative Particleboards
coated chipboards 19 and 8 mm
Weight: 66 kg



Weight reduction: 33%

Example room divider without back panel

Width: 1,820 mm
Height: 1,820 mm
Depth: 330 mm



Lightweight construction
EGGER Decorative Lightweight Boards
Partitions: 19 mm with 4 mm wood-based material top layers,
Frame: 38 mm with 8 mm wood-based material top layers
Weight: 71.3 kg



Version with Decorative Particleboards
19 and 38 mm
Weight: 114.3 kg



Weight reduction: 38%





Light and contemporary

For us, wood is a working material and a recyclable material: we manufacture a wide range of products for furniture and interior design, flooring and wood construction from nature’s renewable resources. True to our mission “More from wood”, it is important for us to act sustainably, to use resources the best possible way and to promote climate protection.

For this innovations are needed: EGGER Lightweight Board is one of them.

One cubic metre of wood can be used to produce 47 m² of particleboards in 19 mm or 87 m² of Lightweight Boards in 19 mm with 4 mm top layers. At a thickness of 38 mm, one cubic metre can produce 25 m² of particleboards or 51 m² of Lightweight Boards with 8 mm top layers.

* this statement refers to the product comparison of EGGER Particleboard to EGGER Lightweight Board.

** this statement refers to the low specific weight of the EGGER Lightweight Board

In addition to **lower raw material consumption***, the use of EGGER Lightweight Boards also reduces logistics costs thanks to up to 35% **better use of transport capacities**. Lower fuel consumption when transporting lightweight boards, elements and furniture also benefits the environment through reduced CO₂ emissions**. This added value in turn has a positive effect on your company, because the topics of environment and sustainability are becoming more important by the day.

At the end of their product life, EGGER Lightweight Boards can be recycled and reused as part of our production process.

to.egger.link/sustainability

Product variants

EGGER Raw Lightweight Boards



EGGER Lightweight Boards are composite boards made of wood-based material top layers enclosing a lightweight cardboard honeycomb core. Thanks to their low weight and high flexural rigidity, they offer many design and construction possibilities in furniture and interior design.

The cardboard honeycomb core and top layer are bonded using PUR adhesive.

Available from stock

Design	Thicknesses	Top layers	Size
uncoated	38, 50 mm	8 mm raw particleboard	2,800 × 2,070 mm

Variants for customised order-related production

Formats	Thicknesses	Top layers*
5,610/2,800 × 2,070 mm	25, 26, 27, 28, 30, 32, 33, 35, 36, 38, 40, 44, 46, 48, 50, 56, 58, 60, 80, 96 mm	8 mm raw particleboard
	17, 18, 19, 20, 22, 24, 25, 27, 28, 30, 32, 36, 38, 40, 42, 48, 50, 52, 72, 88 mm	4 mm raw thin particleboard
	15, 16, 17, 18, 20, 22, 23, 25, 26, 28, 30, 34, 36, 38, 40, 46, 48, 50, 70, 86 mm	3 mm raw thin particleboard

* other thicknesses available on request

Detailed information about the product and the available downloads can be found here:
to.egger.link/raw-lightweight





EGGER Decorative Lightweight Boards



EGGER Decorative Lightweight Boards (according to EN14322) are composite boards consisting of decorative wood-based material top layers enclosing a lightweight cardboard honeycomb core.

They are available in the decor and texture combinations of the EGGER collections.

Standard range of the EGGER Decorative Collection

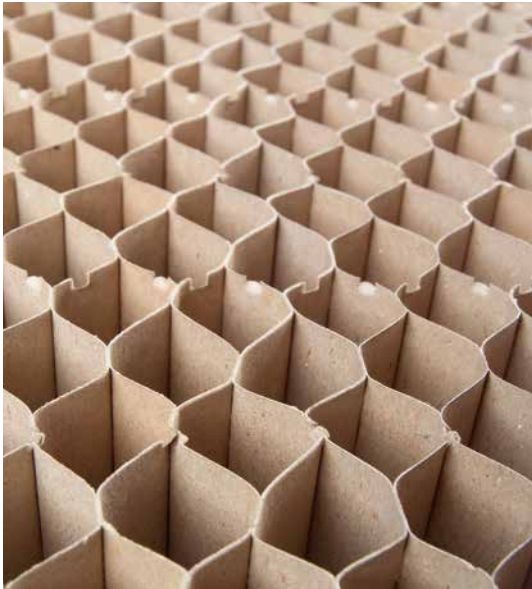
Design	Thicknesses	Top layers	Formats
Coated on both sides in single or multi-layer construction	38 and 50 mm	8 mm Decorative Particleboard	5,610/2,800 × 2,070 mm

Variants for customised order-related production:

Design	Thicknesses	Top layers *	Formats
Coated on both sides in single or multi-layer construction in the decors of the EGGER collections	25, 26, 27, 28, 30, 32, 33, 35, 36, 38, 40, 44, 46, 48, 50, 56, 58, 60, 80, 96 mm	8 mm Decorative Particleboard	5,610/2,800 × 2,070 mm
	17, 18, 19, 20, 22, 24, 25, 27, 28, 30, 32, 36, 38, 40, 42, 48, 50, 52, 72, 88 mm	4 mm Decorative Thin Particleboard	
	15, 16, 17, 18, 20, 22, 23, 25, 26, 28, 30, 34, 36, 38, 40, 46, 48, 50, 70, 86 mm	3 mm Decorative Thin Particleboard	

* other thicknesses available on request

Honeycomb variants	
Standard	Hexagon honeycomb
Special honeycomb	Different honeycomb types available on request



Detailed information about the product and available downloads can be found here:

to.egger.link/decorative-lightweight

[Click here](#) to get directly to the processing, transport and storage instructions.





Furniture components – Decorative Lightweight Boards with frames

» For Lightweight Boards with top layers of up to 4 mm, we recommend pre-framed cuts that can be processed like classical wood-based materials and in which load-bearing fittings also find optimal support.

Different sized frames provide a variety of different solutions:

10 mm frames can be brought in as an underlay for attaching edging under 2 mm thickness. For edging with edges from 2 mm thickness, no frame is required.

- Standard machine edging possible
- Homogeneous surface on the gable-end for optimum edging quality
- Higher impact resistance at the edging



38 mm frames are perfect for inserting grooves and attaching load bearing fittings.

- Can be directly profiled
- Installation of concealed fittings
- Increased screw pull-out strength
- Additional strength for large-area application



65 mm frames ensure that every possible type of fitting, including door fittings (handles, locks and door hinges), finds a secure hold.

- Standard fitting attachment for thin top layers
- Increased screw pull-out strength
- Additional strength for large-area application



Frame material: Standard: Raw particleboard, MDF on request

Right-angled elements	Length [mm]	Width [mm]	Thickness [mm]
2-sided frame	max. 5,610 min. 310	max. 1,500 min. 310	max. 96 min. 15
4-sided frame	max. 3,300 min. 310	max. 1,500 min. 310	max. 96 min. 15



EGGER Lightweight furniture components

» Customised batch sizes, individual production of fronts, bodies or free-form parts and many years of experience for maximum time savings.



Decorative Lightweight Boards
edged, milled and drilled



Decorative Lightweight Boards,
edged and drilled



Decorative Lightweight Boards
CNC machined

Milling, grooving, folding and edging

Right-angled elements	Length [mm]		Width [mm]		Thickness [mm]	
Frameless lightweight boards	max. 2,800	min. 266	max. 1,300	min. 236	max. 60	min. 15
Lightweight boards with frame	max. 3,000	min. 150*	max. 1,300	min. 65**	max. 60	min. 15

Grooves in the surfaces and all gable-ends, folds on all gable-ends are possible.
Edging materials: ABS, PP, PMMA in the thicknesses 0.3 to 3 mm; edging possible with PUR bonding or zero-joint technology.
* smallest workpiece 150 × 150 or 65 × 300 mm
** at 65-75 mm width max. board thickness 25 mm

Drilling and dowelling

Right-angled elements	Drilling	Dowelling	Length [mm]		Width [mm]		Thickness [mm]	
Frameless lightweight boards	×		max. 3,000	min. 250	max. 1,300	min. 120	max. 60	min. 15
Lightweight boards with frame	×	×	max. 3,000	min. 305	max. 1,300	min. 305	max. 60	min. 15

Dowelling possible on all gable-end faces in grid 32.

CNC processing

Right-angled elements and free-form parts	Length [mm]		Width [mm]		Thickness [mm]	
Lightweight boards	max. 5,600	min. 300	max. 1,675	min. 300	max. 60	min. 15

Milling, grooving, folding, drilling and edging via PUR or zero-joint technology¹. Edging from 15 mm thickness. 15 - 16 mm only possible with R2 or with bevel





EGGER Lightweight furniture components with Clic technology

- » Thanks to the form-fitting and continuous tongue and groove connection, furniture components made of EGGER Lightweight Boards can be joined at right angles without the use of screws, dowels or adhesive.



Your advantages with Clic technology in furniture construction:

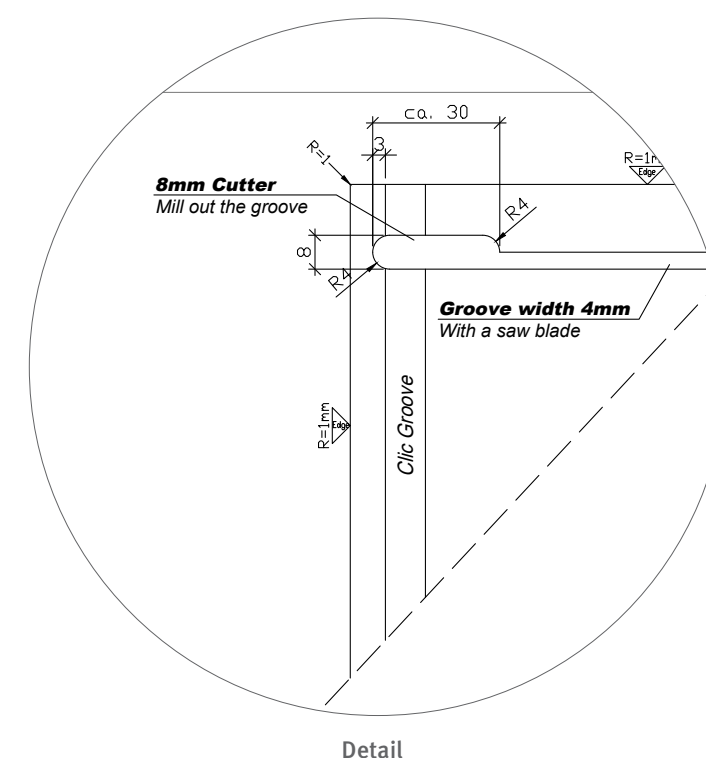
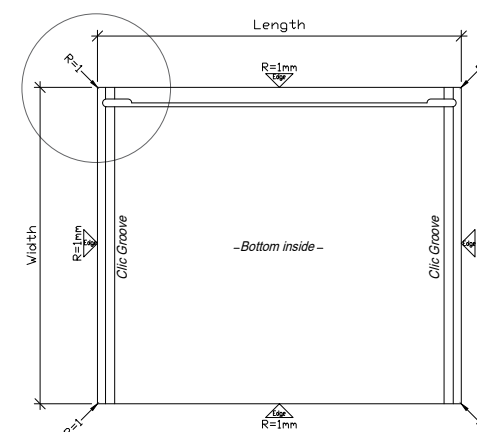
- You free up space on your furniture body press and can therefore work on other projects.
- The carcass is assembled on site (on the construction site). Specialists only need to be involved to a limited extent for installation. This creates resources for you to process other orders.
- If required, a quick dismantling of the unbonded joint is possible (trade fair construction, events).
- No transport of pre-assembled, bulky carcass elements means less transport effort for you, which in turn has a positive effect on the CO₂ balance and saves costs.
- Through additional purchasing and rapid on-site assembly, you are faster and safer in time-critical projects.
- No visible connecting fittings in the furniture carcass for a visual upgrade of furniture without frontals such as shelves.

General conditions

Furniture components with Clic technology are offered for a large number of body variants, taking into account the following framework conditions.

Thickness	38 mm
Possible lengths	266-2,300 mm
Possible widths	236-1,300 mm
Back panel	Standard 8 mm, thinner thicknesses upon request**
Lamination	Coated on both sides or particleboard covered with laminate
Available decors	Decors of the EGGER collections
Minimum order quantity	50 items per size and version
Over-delivery and under-delivery	± 10%, if required, production of exact number of items

** milling of the back panel groove for back panel thickness < 8 mm, see drawing.



Detailed information about the product and the available downloads can be found here:

to.egger.link/furniturecomponents-clic

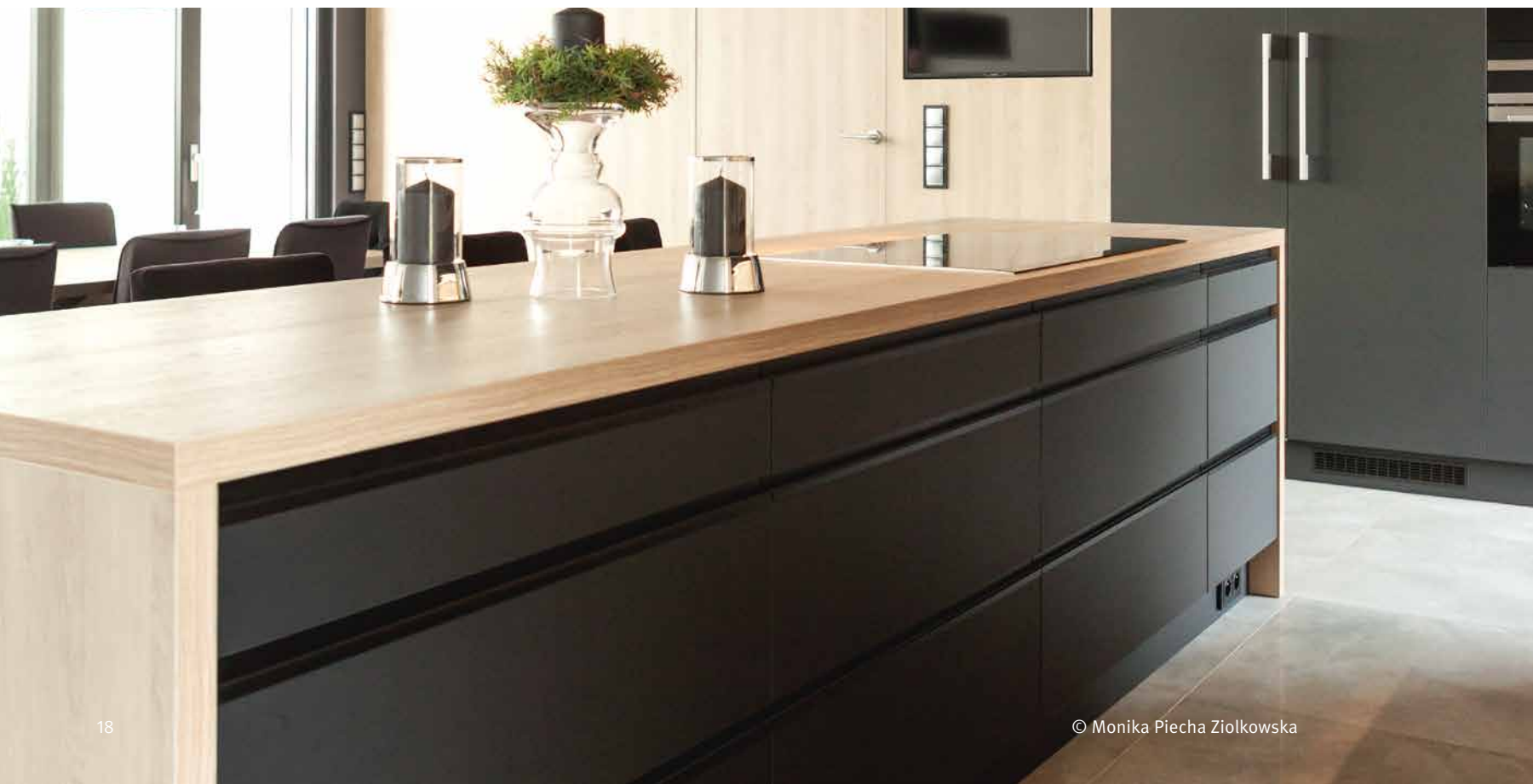


Virtually unlimited possibilities

» With professional processing, the interior applications for EGGER Lightweight Boards are virtually unlimited. The following applications for the private and public sectors show how versatile this material can be in use.

Kitchen / Dining room

- Counters
- Tables
- Flank
- Wall shelves

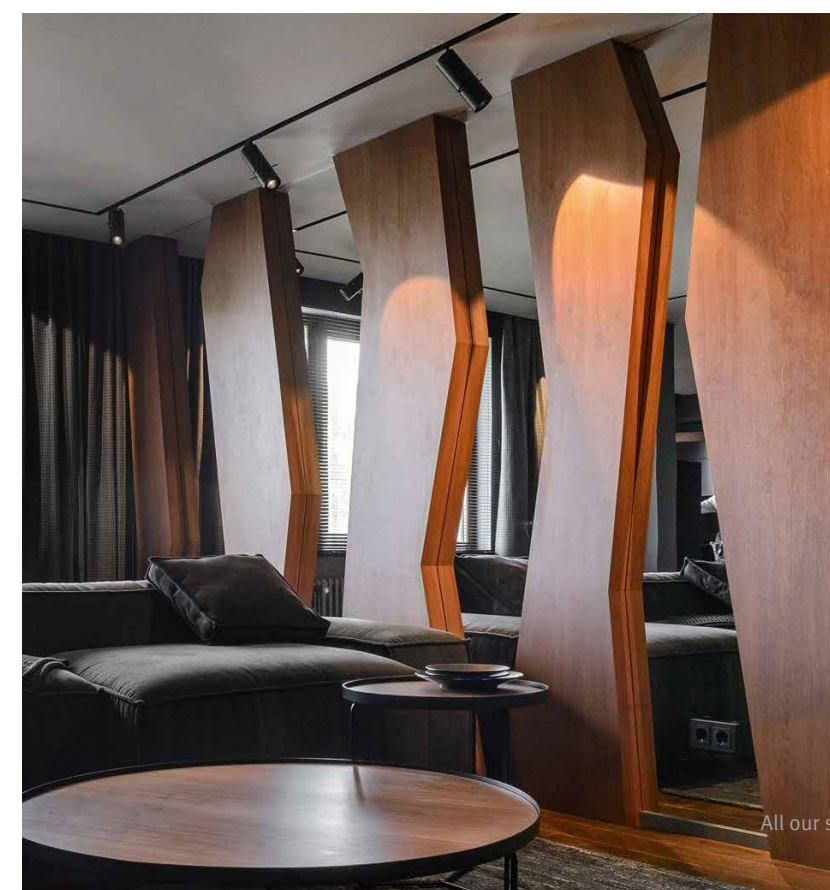




limited possibilities



© Monika Piecha Ziolkowska



Living room

- Tables
- Sideboards / chests of drawers
- Room dividers / partition walls
- Wall shelves

All our shown and mentioned decors are reproductions.



© Derenko Innenarchitektur

Bedroom

- Bedside tables
- Bed headboards
- Chests of drawers
- Pegboards / wall shelves
- Partition walls



© Rauch Möbelwerke GmbH,
Germany

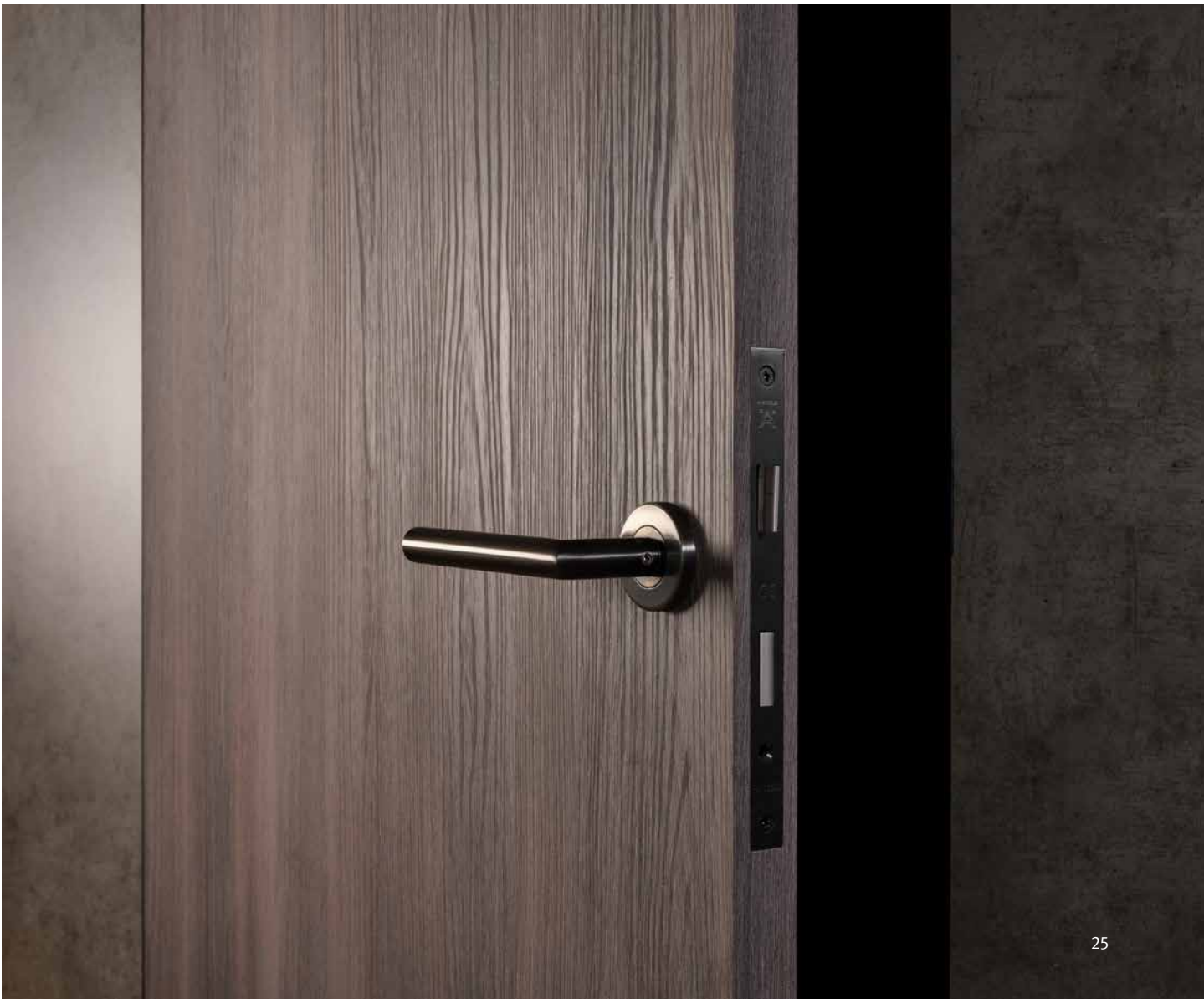


© Andi Wimmer (AT)

Bathroom



Sliding / interior doors



Public areas

- Partition walls
- Shelving
- Tables
- Counters
- Frames



© Barlofotografik (DE)



© Christian Vorhofer

Trade fair construction and shopfitting

- Trade fair stand walls
- Shelving
- Partition walls
- Tables
- Counters





EGGER Lightweight Blocks –
easy and safe stacking.



More information on
EGGER Lightweight Blocks at:
to.egger.link/lightweightblocks

Take-away furniture for self-assembly
(flat-pack furniture)



