

**MORE FROM WOOD.**



**Eurodekor Plus**

**Multilayer structures for  
specification solutions.**



# Eurodekor Plus

## Multilayer structures



Multilayer structure boards offer a high-quality finish for surfaces subject to high levels of stress. This makes them exceptionally well-suited for use in commercial premises. Wear and tear is minimised thanks to the high abrasion resistance of **Eurodekor Plus HR multilayer structures**.

This provides an unbelievably long service life when used in interior design.

Thanks to the combination of many layers, **Eurodekor Plus ML/MW** boards are suitable for both vertical and horizontal use. This allows for optimal cutting when manufacturing pre-fabricated parts. The multilayer structure is also resistant to bending, thus making the boards particularly well suited for constructions with large spans.

This results in an infinite number of possibilities and puts the design of furniture elements in the spotlight.

### Applications

- Furniture components which are subject to bending stress (e. g. long shelves with heavy loads)
- Furniture components which require shock resistance
- Complex constructions with long spans
- Shopfitting and interior design
- Exhibition stand and stage construction

### Advantages

- The Eurodekor Plus multilayer structure has very good bending strength in all directions of the board
- Very good screw withdrawal resistance
- Very well suited for mounting fasteners and hardware
- Provides high shock resistance, thanks to the multilayer structures
- Good dimensional stability

### Product description

Due to higher requirements for board surfaces e.g. in office furniture, high-quality shopfitting, furniture in public buildings, worktops and other special surfaces, melamine faced chipboards require a multilayer structure.

The multilayer structure of the coating may consist, dependant upon requirements, of an additional overlay or several underlay papers.

## Structure variants Eurodekor Plus

Board type	Applications	Advantages	Thick- nesses	Dimensions / MOQ
Eurodekor Plus HR*	Furniture and fittings with need for increased abrasion resistance (desks, special work surfaces) Not available for pearl-, uni-, or white-decors.	High abrasion resistance	8 mm to 38 mm	2.800 × 2.070 mm Minimum order quantity: 100 half boards
Eurodekor Plus ML/MW*	Furniture elements and fittings with increased surface requirements (fronts, doors) ML = Multilayer structure with brown barrier paper MW = Multilayer structure with white barrier paper (only available for white decors)	High shock resistance, very good surface stability	8 mm to 38 mm	2.800 × 2.070 mm Minimum order quantity: 20 half boards

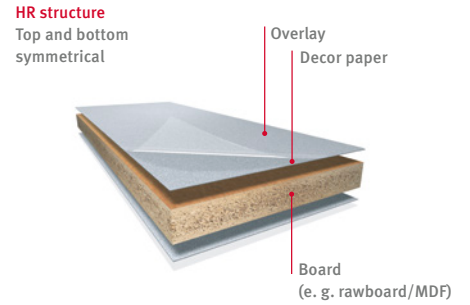
\* Available on the following boards: EGGER rawboards, EGGER MDF, EGGER OSB Combiline, EGGER light weight boards

# Eurodekor Plus HR

## Highly abrasion-resistant structure

The abrasion resistance improves significantly when the decor paper is pressed on the core board in combination with an overlay. Overlays are thin, transparent paper webs, which are

moistened with liquid melamine resin in an impregnation bath. This special quality is achieved when an increase in resin is combined with corundum. These boards achieve the resistance class 3A according to EN 14322.

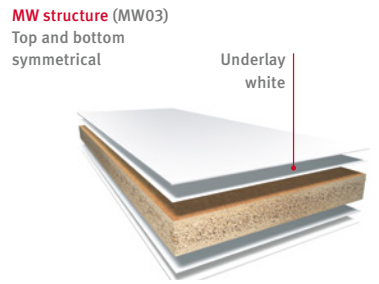
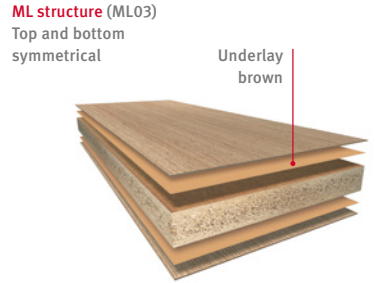


# Eurodekor Plus ML/MW

## Multilayer structure

The special multilayer structure is achieved by placing several additional underlay/barrier papers under the decor film. This enables layer thicknesses of up to 1.0 mm and increased shock resistance. If desired, an additional

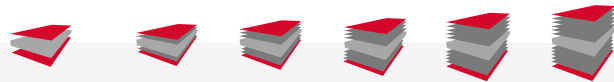
overlay paper can be used to improve abrasion resistance for wood and fantasy decors. During the pressing process, the melamine resin of the individual coated papers melts due to the impact of pressure and heat to form a solid surface.



# Standard Properties

All Eurodekor boards satisfy the requirements of EN 14322 (except pearlescent decors), which describes the requirements for melamine faced boards for

use in interior applications. In addition, all core boards comply with the requirements of relevant European manufacturing standards.



(Preliminary information)

Properties*	Unit	Quality according to	Standard structure	ML/MW03	ML/MW04	ML/MW06	ML/MW08	ML/MW10	Combi-line**
Thickness structure / Sides ***	mm	EN 14322	–	0.3	0.4	0.6	0.8	1.0	–
Surface weight	kg/mm <sup>2</sup>		12.5	13.1	13.6	14.2	14.8	15.3	13.7
Bending strength „lengthwise“	N/mm <sup>2</sup>	EN310	18.5	28.1	34.5	41	44.9	50.2	≥ 40
Bending strength „diagonal“	N/mm <sup>2</sup>	EN310	≥ 14	≥ 23	≥ 27	≥ 32	≥ 36	≥ 39	≥ 35
E-module „lengthwise“	N/mm <sup>2</sup>	EN310	3500	4000	4400	4900	5200	5600	≥ 5000
E-module „diagonal“	N/mm <sup>2</sup>	EN310	3200	3800	4200	4600	5100	5500	≥ 4000
Shock resistance low	N	EN438-2	12	15	23	25	29	35	–
Screw withdrawal surface	N/mm <sup>2</sup>	EN320	1310	1498	1359	1359	1423	1516	≥ 1500
Internal Bond strength	N/mm <sup>2</sup>	EN319	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.45	≥ 0.55

\* These values are for 19mm melamine faced chipboards. \*\* These are average values. \*\*\* A thickness tolerance of ± 0.5mm for multilayer structures should be taken into account.



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