

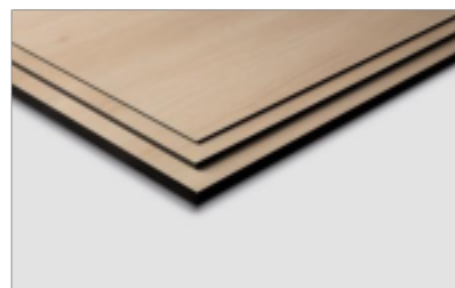
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Product data sheet

EGGER Compact Laminate black core

Recipe: 960/965



EGGER Compact laminates black core are compact laminates according to EN 438 4, respectively EN 438 8 with a black core. They have a multilayer structure and consist of melamine resin impregnated decorative patterned surface layer and a fibrous and with melamine resins impregnated core layer.

Applications / Application Areas

EGGER Compact laminate features good dimensional stability and is self-supporting from a thickness of > 6 mm. This large format board material with decorative, durable surfaces and closed-out edges is suitable for a wide variety of interior applications. The applications are varied and require the use of various compact laminate products, which must be selected according to the intended use. Classic uses or areas of application include the office furniture industry, exhibitions and, shuttling and decorative interior design.

Storage / Processing

Storage

Compact laminates must be stored in enclosed and dry rooms, at approximately 18°C to 25°C and a relative humidity of approximately 55% to 65%. When the original packaging is removed, the compact laminate must be stored on horizontal level and sturdy protective boards. Direct floor contact and/or exposure to the sun must be avoided in all cases. A laminated protective board (no raw chipboard) of at least the same format should be used to cover the top board. If horizontal storage is not possible, the compact laminate must be stored at an angle of approximately 30° against a full surface support with counter support. Using a laminated protective board of at least the same format is required for upright storage as well.

Processing

Compact laminate can be easily processed like other wood based materials. Carbide metal tools are mainly used. Choosing diamond tipped tools is recommended for large quantities and when machining centres are used. Despite the good dimensional stability of compact laminate, changes in the surrounding conditions may affect the board. Format changes therefore have to be taken into account at the outset for processing and design. An expansion play of 2.0 mm per 1 m should generally be allowed.

Further information on storage and processing is found in the processing instructions "EGGER Compact Laminate".



Quality Characteristics / Technical Data

According to EN 438-4, EGGER Compact Laminate is classified as CGS (Compact General-purpose Standard). Compact laminate with full surface pearlescent decor is classified according to EN 433-5 as type ACS (Pearlescent Laminate Compact Standard grade). ACS compact laminate is suitable for vertical applications only.

Property	Standard	Unit	Value		
			CGS Required	ACS Required	
Resistance to surface abrasion	EN 438-2:10	Number of revolutions (per 100 cm ²) Starting abrasion point	150	-	
Block resistance to a ball (new ball larger diameter)	EN 438-2:21	Drop height (in mm)	1.400	800	
		20 mm ball < 5 mm	1.800	800	
		6 mm ball	≥ 10	≥ 12	
Scratch resistance	EN 438-2:25	Grade	2	2	
Resistance to staining group 1 and 2	EN 438-2:26	Grade	5	5	
Resistance to staining group 3	EN 438-2:26	Grade	4	4	
Light fastness (Xe-triarc lamp, surface) ¹	EN 438-2:27	Grey scale	4 to 5	4	
Stress crack susceptibility	EN 438-2:24	Grade	4	4	
Leakiness ²	EN 438-2:6	Depending on thickness (in mm)			
		2,0 mm ≤ t < 6,0 mm	5,0	5,0	
		6,0 mm ≤ t < 10,0 mm	5,0	5,0	
		10,0 mm ≤ t	3,0	3,0	
Resistance to immersion in boiling water	EN 438-2:12	Max. increase in %			
		20 mm ball < 5 mm	5,0	5,0	
		≥ 5 mm	2,0	2,0	
		Thickness increase ³ in %			
		20 mm ball < 5 mm	6,0	6,0	
		≥ 5 mm	2,0	2,0	
Appearance ⁴ in degrees	4	4			
Discoloring (in °)	2	2			
Dimensional stability at elevated temperature	EN 438-2:7	Humidity change (in %)			
		20 mm ball < 5 mm	L ¹	2,4	2,4
			T ²	2,8	2,6
		≥ 5 mm	L ¹	2,3	2,1
		T ²	2,8	2,6	
Resistance to dry heat (160 °C)	EN 438-2:16	Grade	4	-	
Resistance to water vapour	EN 438-2:14	Grade	4	2	
Resistance to moist heat (100 °C)	EN 438-2:18	Grade	4	-	
Density	EN ISO 1181-1	g/cm ³	± 1,35	± 1,35	
Modulus of elasticity for bending	EN ISO 178	MPa	9.000	9.000	
Bending strength	EN ISO 178	MPa	80	80	

- ¹ Dry incandescent lamp and ultraviolet light source, the procedure of accelerated discoloration, and spectral irradiance of the light exposure.
- ² The values shown here only apply to compact laminates with decor on two sides. The limits for compact laminates with decor on one side need to be agreed later.
- ³ t is the nominal thickness of the compact laminate.
- ⁴ L is lengthwise direction of compact laminate length.
- ⁵ T is crosswise direction of compact laminate width.



Surface finish according to EN 13722

Surface	Gloss units	Maximum deviation
Gloss surface	>70	± 15 CU
Semi-gloss surface	10 – 70	± 10 CU
Semimatt surface	10 – 10	± 5 CU
Matt surface	<10	± 3 CU

Dimensions / Tolerances

Dimensions

Thickness range: 3, 4, 5, 6, 8, 10, 12 and 13 mm

Standard size: 2,090 x 2,060 mm

Maximum length: 5,600 mm

Maximum width: 2,060 mm

Tolerances

Nominal thickness [mm]	Thickness tolerance [mm]	Length tolerance [mm]	Width tolerance [mm]
3 and 4	± 0.10	± 0.10	± 0.10
5 and 6	± 0.10	± 0.10	± 0.10
8 and 10	± 0.10	± 0.10	± 0.10
12 and 13	± 0.10	± 0.10	± 0.10


Decor Information

Colour and decor match

The colour perception of the decor is influenced to a large degree by the core colour. The intensive, black core colour can result in a colour difference compared to other EGGER products.

100% matching colours with Eurodekorend laminats cannot be guaranteed.

Compact laminate with pearlescent decor

Pearlescent decors and therefore ACS compact laminates are identified with a special icon in the Collection. This icon  stands for: "Only for vertical applications – pearlescent decor"

Compact laminates with pearlescent decor surfaces are produced with a single-sided decorative effect. The non-pearlescent decor on the reverse acts as balancer.

Care and cleaning recommendations

Due to their resistant and hygienic, dense surfaces, L66LR compact laminate products do not require any special form of care. Generally, the surfaces are easy to clean. This also applies to textured surfaces.

For further, detailed information please consult the leaflet "Cleaning and Maintenance Instructions".

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