

PRODUCT DATA SHEET

EGGER EURODEKOR® E1 CE

Material Specification:

Melamine faced wood-based panel with a decorative surface.
The substrate can be either EUROSPAN® Rawboard, EGGER MDF
or EGGER OSB Combiline

Area of application:

Decorative wood based panels for interior uses.



Board type according to EN14322

Surface properties	Test method	Unit	Value		
Surface defects					
-points	EN 14323	[mm²/m²]	≤2		
-length		[mm/m]	≤20		
Resistance to scratching					
	EN 14323	[N]	≥1,5		
Resistance to staining					
	EN 14323	[level]	≥3		
Resistance to cracking					
	EN 14323	[level]	≥3		
Resistance to abrasion					
Depending on the layer configuration different classes are reached	EN 14323	[Resolutions]	Class	IP	WR
			1	<50	<150
			2	≥50	≥150
			3A	≥150	≥350
			3B	≥250	≥650

Tolerances	Test method	Unit		Thickness range ^{*1)}	
			<15mm	15 up to 20mm	>20 mm
Thickness					
Standard boards (faced with single layer)					
Final value ^{*2)}	EN 14323	[mm]	±0,3		±0,5/ -0,3
Boards with multi-layer surface					
Final value ^{*2)}	EN 14323	[mm]	±0,5		
Length and width					
commercial available size	EN 14323	[mm]	±5		
pre-cut panels			±2,5		
Flatness					
	EN 14323	[mm/m]	--	≤2 ^{*3)}	
Edge damage					
commercial available size	EN 14323	[mm]	≤10		
pre-cut panels			≤3		

Physical and chemical characteristics	Substrate	Test method	Unit	Class
Fire behaviour				
EURODEKOR® MFC	EUROSPAN® raw board	EN 13501-1	Euro class	D-s2, d0
EURODEKOR® MDF	EGGER MDF			D-s2, d0
EURODEKOR® OSB COMBILINE	EGGER OSB COMBILINE			D-s2, d0
EURODEKOR® Flammex	EUROSPAN® Flammex			B-s1, d0
Formaldehyde content				
EURODEKOR® MFC	EUROSPAN® raw board	EN 717-2 ^{*4)}	[mg/m²h]	≤ 3,5 ^{*5)}
EURODEKOR® MDF	EGGER MDF	EN 717-2 ^{*4)}	[mg/m²h]	≤ 3,5 ^{*5)}
EURODEKOR® OSB COMBILINE	EGGER OSB COMBILINE	EN 717-2 ^{*4)}	[mg/m²h]	≤ 3,5 ^{*5)}
EURODEKOR® JP F0.3 (F****)	EUROSPAN® JP F0.3 (F****)	JIS 1460	[HCOH/l]	≤ 0,30
EURODEKOR E1 EPF-S	EUROSPAN E1 EPF-S P2	DIN EN 120	[mg/100g]	< 4,0 ^{*6)}
Content of pentachlorophenol				
		CEN/TR 14283	[ppm]	≤ 5

For specific areas of use and fields of application it can be helpful to determine further board characteristics. These can be carried out according to the testing methods of EN 14322:2003 between supplier and customer on request.

Property	Test method
Resistance to cigarette burns	EN 14323
Resistance to steam	EN 14323
Resistance to impact by a large diameter steel ball	EN 14323
Resistance to colour change in xenon arc light	EN 14323
Gloss	EN 14323
Surface soundness	EN 311

Colour matching and surface texture:

When the customer requires colour or surface texture matching only a slight deviation (rating 4) is permissible between the reference sample and test piece under examination. For pearlescent and metallic finished boards a rating of 3 is permitted for colour matching by EN 14322: 2003. Slight variations in colour are inherent with variation in the surfacing papers and the core board.

Field of application

EGGER EURODEKOR® manufactured with Type P2 raw board is intended for interior fittings (including furniture) for use in dry conditions (relative humidity of surrounding area only exceeding 65% for a few weeks per year). The component must allow quick release of any trapped moisture. Boards of this type are only suitable for use in biological hazard class 1 of EN 335-3. EGGER EURODEKOR® manufactured with Type P3 core board can be used in humid conditions (relative humidity of surrounding area only exceeding 85% for a few weeks per year). The component must allow quick release of any trapped moisture. Boards of this type are only suitable for use in biological hazard classes 1 & 2 of EN 335-3. EGGER EURODEKOR® Melamine Faced Boards are available in an impressive range of decors and colour matched EGGER laminates, edging material and foils.

General information

A careful control of incoming materials is an essential part of any commercial transaction. Therefore this is a part of the terms of payment of delivery within the EGGER Group. EGGER recommends proceeding with these controls according to statistical methods. Also the handling and storage of EURODEKOR® Melamine Faced Boards has to be done with care. The boards should advisably be stored on a flat and dry base in a self contained building. The atmospheric humidity should not go over 75% for a longer period of time. In case of longer storage periods under humid conditions the boards should be shrink-wrapped to avoid swelling of the board's edges is advised. A continuous room temperature should be maintained between 10°C (50°F) and 50°C (122°F).

Resistance against heat

The resistance against heat of EURODEKOR has to be subdivided in long and short terms of heat influence. For long or continuous terms of heat influence a maximum temperature of 50°C is allowed. A temperature of max. 90°C (194°F) is allowed for a time period of not more than 1 hour. Long term temperature application of more than 50°C might damage the surface by cracks. Installations of technical equipment that emit heat require an appropriate distance between heat source and melamine surface to avoid heat accumulation and divert temperature.

Additional documents

Technical Datasheets:

EUROSPAN® Raw chipboards, EGGER MDF, EGGER OSB COMBILINE

Provisional Note:

This technical datasheet contains information added carefully and under precise investigation. Technical details are subject to change. The continuous development of EGGER EURODEKOR® might result in differences, as well as renewals of standards and documents of public law. Therefore EGGER can give no guarantee for misprint, or mistakes. This technical datasheet is not an instruction of use and not a legally binding document.

***1)** Thickness range: nominal values

***2)** Tolerances nominal value: The nominal value is the final thickness of the board including coatings on both sides of the boards

***3)** Only with an equally balanced grammage of decorative papers on both sides

***4)** Gas analysis

***5)** Half years value

***6)** Raw board testing in accordance with perforator methode