

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 | [mm ² /m ²] | ≤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-s2, 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**