

## Technical data sheet

### Egger Eurodekor

**Material description:** Egger Eurodekor materials are Melamine faced wood based materials for interior applications such as interior decoration and furniture.

**Possible substrates:** Eurospan raw chipboard, Egger MDF or Egger OSB Combiline



### Surface properties according to EN14322

| Surface properties  | Test method | Unit                               | Value               |      |
|---|-------------|------------------------------------|---------------------|------|
| Surface defects   |             |                                    |                     |      |
| • points  | EN 14323    | [mm <sup>2</sup> /m <sup>2</sup> ] | ≤2                  |      |
| • length  | EN 14323    | [mm/m]                             | ≤20                 |      |
| Resistance to scratching  | EN 14323    | [N]                                | ≥1,5* <sup>1)</sup> |      |
| Resistance to staining  | EN 14323    | [level]                            | ≥3                  |      |
| Resistance to cracking  | EN 14323    | [level]                            | ≥3                  |      |
| Resistance to abrasion  | EN 14323    | [Resolutions]                      | Class               | IP   |
| Depending in the layer configuration different classes are researched |             |                                    | 1                   | <50  |
|   |             |                                    | 2                   | ≥50  |
|   |             |                                    | 3A                  | ≥150 |
|   |             |                                    | 3B                  | ≥250 |
|   |             |                                    | 4                   | ≥350 |

### Dimensional properties according to EN14322

|  | Test method | Unit   | Thickness range (nominal thickness) |                   |                   |
|--|-------------|--------|-------------------------------------|-------------------|-------------------|
|  |             |        | <15mm                               | 15 up to 20mm     | >20 mm            |
| Thickness  |             |        |                                     |                   |                   |
| • Standard boards  | EN 14323    | [mm]   | ±0,3                                | ±0,3              | ±0,5              |
| • Boards with multi-layer surface total thickness* <sup>2)</sup> | EN 14323    | [mm]   | +0,5/-0,3                           | +0,5/-0,3         | ±0,5              |
| Length and width   |             |        |                                     |                   |                   |
| • commercial available size                                      | EN 14323    | [mm]   | ±5                                  | ±5                | ±5                |
| • pre-cut panels   | EN 14323    | [mm]   | ±2,5                                | ±2,5              | ±2,5              |
| Flatness   | EN 14323    | [mm/m] | --                                  | ≤2* <sup>3)</sup> | ≤2* <sup>3)</sup> |
| Edge damage  |             |        |                                     |                   |                   |
| • commercial available size                                      | EN 14323    | [mm]   | ≤10                                 | ≤10               | ≤10               |
| • pre-cut panels   | EN 14323    | [mm]   | ≤3                                  | ≤3                | ≤3                |

## Fire behaviour

|                        | Core board/Substrate  | Single layer |                                      | Classification acc. to EN13986                        |
|------------------------|---|--------------|--------------------------------------|---|
| Eurodekor MFC          | Eurospan raw chipboard (density $\geq 600 \text{ kg/m}^3$ ) | X            |                                      | D-s2, d0 ( $\geq 9\text{mm}$ )                        |
| Eurodekor MDF          | Egger MDF (density $\geq 600 \text{ kg/m}^3$ )              | X            |                                      | D-s2, d0 ( $\geq 9\text{mm}$ )                        |
|                        | Core board/Substrate  | Single layer | Multi-layer                          | Classification acc. to EN13501-1                      |
| Eurodekor Flammex      | Eurospan Flammex chipboard                                  | X            |                                      | B-s1,d0 (12-38mm)                                     |
| Eurodekor Plus Flammex | Eurospan Flammex chipboard                                  |              | X <sup>*4)</sup><br>X <sup>*4)</sup> | B-s2,d0 (12- <18mm)<br>B-s1,d0 ( $\geq 18\text{mm}$ ) |
| Eurodekor MDF Flammex  | Egger MDF Flammex   | X            |                                      | B-s1,d0 (10-25mm)                                     |

\*1) Scratch resistance: Not including decors with pearlescent effect Thickness range: nominal values.

\*2) Tolerances total thickness: The total thickness is defined as the substrate thickness including the coatings on both sides of the boards.

\*3) Flatness: Valid for equally balanced weight of decorative papers on both sides.

\*4) Flammex: Not including multilayer boards with white underlay papers.

## Formaldehyde emission classes

The Formaldehyde emission classes depend on the used substrate. Information in regards to the Formaldehyde emission of your preferred substrate can be found in the technical datasheets of our substrates. Please visit [www.egger.com](http://www.egger.com) for further information.

## Colour matching and surface texture

Since slight variations in colour will occur due to inherent variation in the surfacing papers and the substrate, we recommend that components which are used side by side should be selected from the same production batch to ensure colour compatibility.

A slight deviation of color and surface finish according to Class 4 EN14323 between the EGGER reference sample and the test specimen is permitted. For pearlescent and metallic decors, a deviation of Class 3 acc. to EN14323 is permitted.

## Resistance against heat

The resistance against heat of Eurodekor materials differs between long and short periods of heat exposure. For long and continuous periods of heat exposure, a maximum temperature of 50°C (122°F) is applicable. We kindly advise that continuous exposure in temperatures of over 50°C (122°F) may result in surface defects such as cracks.

Installations of technical equipment that emit heat, for instance Laptops, require an appropriate distance between heat source and Melamine surface to avoid heat accumulation and allow air and temperature circulation.

## General information

Careful checks of incoming materials is an essential part of any commercial transaction. Egger recommends proceeding with these checks according to common statistical methods. 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 closed building. The panels must be stored in a frost-protected surrounding, preferred within temperature of 20°C (68°F) and 65% relative humidity. For storage in divergent conditions, we recommend additional packaging of the materials such as shrink-wrapping to ensure stable quality. We recommend conditioning the final products according to the expected in-room climate prior to installation. For further information, please visit [www.egger.com](http://www.egger.com).

**Provisional note:**

This technical data sheet has been carefully drawn up to the best of our knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or its suitability for specific applications. It is based on practical experiences, our own tests and correspond to our present state of knowledge. We accept no liability for any mistakes, errors in standards, or printing errors. In addition, technical modifications may result from the continuous development of Egger Eurodekor, as well as from changes to standards and public law documents. Therefore, the content of these processing instructions cannot serve as instructions for use nor as a legally binding basis.

