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Technical data sheet

EGGER Eurodekor

Material description: EGGER Eurodekor is a Thermally Fused Laminated (TFL) which is made by fusing a resin-impregnated sheet of décor paper directly to a wooden substrate. It can be used for interior applications such as interior decoration and cabinets.

Possible substrates: EGGER Eurospan raw particleboard panel and EGGER MDF.



Surface properties

| Property | Test method | Unit | Value | |
|----------------------------|--------------------------|--|---|------|
| Surface defects | ISO 4586-2 | [mm ² /m ²] [mm/m ²] | ≤ 2 spot-type defects ≤ 20 hair-like defects | |
| Resistance to scratching | ISO 4586-2 | [rating] | ≥2 ≥1 if pearlescent décor effect | |
| Resistance to staining | ISO 4586-2 (Method A) | [level] | Group 1 & 2 ≥3 | |
| Resistance to surface wear | ISO 4586-2 | [Revolutions] | Class | IP |
| | | | 1 (print decors incl. pearlescent) | <50 |
| | | | 2 | ≥50 |
| | | | 3A (print decors with overlay, solid decors <120 g/m ²) | ≥150 |
| | | | 3B (solid decors ≥120 g/m ²) | ≥250 |
| 4 | ≥350 | | | |
| Formaldehyde content | | [class] | EPA TSCA Title VI certified – Carb 2 certified | |
| Light fastness | EN 438-2 | [level] | ≥4 grey scale | |

Dimensional properties

| | Test method | Unit | Board thickness | | |
|---|-------------|--------|--|--------------------------------------|---------------------|
| | | | 1/4" – 19/32" (6.3 to 15.0 mm) | >19/32" – 3/4" (>15.0 to 19.0 mm) | >3/4" (>19.0 mm) |
| Thickness | ISO 4586-2 | [inch] | ±0.012 (±0.3 mm) for Class 1&2 | | ±0.020 (±0.5 mm) |
| • Standard boards | | | +0.020/-0.012 (+0.5 mm/-0.3 mm) for Class 3A, 3B & 4 | | |
| • Boards with multi-layer surface total thickness ^{**1)} | ISO 4586-2 | [inch] | ±0.020 (±0.5 mm) | | |
| Length and width | ISO 4586-2 | [inch] | ±0.20 (±5 mm) | ±0.20 (±5 mm) | ±0.20 (±5 mm) |
| • commercial available size | | | | | |



| | Test method | Unit | Board thickness | | |
|-------------------------|-------------|--------|-----------------------------------|--------------------------------------|---------------------|
| | | | 1/4" – 19/32" (6.3 to 15.0 mm) | >19/32" – 3/4" (>15.0 to 19.0 mm) | >3/4" (>19.0 mm) |
| • pre-cut panels | ISO 4586-2 | [inch] | ±0.10 (±2.5 mm) | ±0.10 (±2.5 mm) | ±0.10 (±2.5 mm) |
| Flatness* ²⁾ | ISO 4586-2 | [inch] | -- | ≤0.08 (≤2 mm) | ≤0.08 (≤2 mm) |

Fire behaviour

| | Core board/Substrate | Single layer | | Classification acc. to ASTM E84 |
|------------------------|------------------------|--------------|-------------|-----------------------------------|
| Eurodekor | Eurospan raw chipboard | X | | C |
| Eurodekor | Egger MDF | X | | C |
| | Core board/Substrate | Single layer | Multi-layer | Classification acc. to EN 13501-1 |
| Eurodekor Flammex | Eurospan chipboard P2 | | X | B-s2,d0 (12-38 mm) |
| Eurodekor Plus Flammex | Eurospan chipboard P3 | | X | B-s2,d0 (16-38 mm) |
| Eurodekor MDF Flammex | Egger MDF | | X | B-s2,d0 (12-38 mm) |

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

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

Eurodekor Plus & Flammex product range

| Board type | Applications | Advantages |
|------------------------|--|---|
| 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 => <u>only available for White decors.</u> | High impact resistance and flexural strength, very good surface stability |
| Eurodekor Flammex FR03 | Furniture elements and fittings with increased fire retardancy (wall or ceiling cover) FR03 = multilayer structure with special fire retardant underlay on both sides. The final thickness of all coated Flammex panels increases by 0.6 mm. <u>Not available with overlay or additional ML/MW underlay.</u> | Fire retardant effect |

Eurodekor – thickness information (example 19 mm)

| | Eurodekor | Eurodekor Feelwood ML03 | Eurodekor Flammex FR03 | Eurodekor Plus ML/MW06 |
|-------------------------|-----------|-------------------------|------------------------|------------------------|
| Nominal total thickness | 19,0 mm | 19,0 mm | 19,0 mm | 19,0 mm |
| Actual total thickness | 19,0 mm | 19,6 mm | 19,6 mm | 20,2 mm |



Colour matching and surface texture

Since slight variations in color 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 color 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 122°F (50°C) is applicable. We kindly advise that continuous exposure in temperatures of over 122°F (50°C) 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 TFL 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 68°F (20°C) 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.

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.

