

## TECHNICAL SPECIFICATIONS

**EKOLAM** Harmonized standard: EN 13986

| CONTROL CRITERIA  | TEST STANDARD | UNIT OR FEATURE                 | THICKNESS RANGE  |                |        |
|---|---------------|---------------------------------|--|----------------|--------|
|   |               |                                 | <15  | ≥15 with 20 mm | >20 mm |
| TOLERANCES ON NOMINAL DIMENSIONS*1<br>-THICKNESS COMPARED TO RATED VALUES | EN 14323      | mm                              | For class 1-2; ± 0,3<br>For class 3A, 3B and 4;<br>+0,5/-0,3 |                | ±0,5   |
| -THICKNESS t WITHIN THE BOARD   |               |                                 | t <sub>max</sub> - t <sub>min</sub> ≤ 0,6                    |                |        |
| LENGTH AND WIDTH  | EN 14323      | mm                              | ± 5  |                |        |
| EDGE DAMAGE   | EN 14323      | mm                              | ≤ 10   |                |        |
| SURFACE DEFECTS   | EN 14323      | mm <sup>2</sup> /m <sup>2</sup> | points ≤ 2   |                |        |
|   |               | mm/m <sup>2</sup>               | line ≤ 20  |                |        |
| RESISTANCE TO SCRATCHING*2  | EN 14323      | N                               | ≥ 1,5  |                |        |
| RESISTANCE TO CRACKING  | EN 14323      | Rating                          | ≥ 3  |                |        |
| RESISTANCE TO STAINING  | EN 14323      | Rating                          | ≥ 3  |                |        |
| RESISTANCE TO ABRASION  | EN 14323      | Revolution                      | Pattern Class 1 < 50<br>Plain Class 3A ≥ 150                 |                |        |
| FORMALDEHYDE RELEASE  | EN 12460-3    | mg /m <sup>2</sup> h            | ≤ 3,5 (E1), 3,5 < release ≤ 8 (E2)                           |                |        |
|   | EN 717-1      | mg/m <sup>3</sup> air           | ≤ 0,124 (E1), ≥ 0,124 (E2)                                   |                |        |

As an official trademark of Kastamonu, **Ekolam** boards are **Melamine Faced Chipboards** for interior furniture and decoration applications. This type of boards are especially used for interior furniture and decoration applications; profile-enclosed front panels, high-quality shelf panels, wall panels (Wallboard), decorative panels, kitchen furniture and office furniture.

Please refer to the “**Ekopan Technical Specifications**” for the substrate raw board specifications

**\*1 Thickness tolerances:** Here the thickness expresses the total thickness of the raw **Chip** board and the coatings of both surfaces of the board.

**\*2 Resistance to scratching:** Does not include the pearlescent surface treatment.

**Colour matching and surface texture:** A slight deviation of colour and / or surface texture according to Rating4 EN14323 between the test sample and Kastamonu reference sample.

It is recommended the components that will be used side by side should be selected from the same production batch to maintain colour compatibility.

**Note 1:** This document may be modified at any time by the company without any express obligation to send any updated edition to all original recipients. To verify that you have the latest edition available, you are advised to contact the relevant Sales Executive.

**Note 2:** For current EN document / document scope, it is recommended to contact the relevant Sales Executive.