

## TECHNICAL SPECIFICATIONS

### EVOGLOSS (CARB2 / EPA) Product Standard: TSE K 517

CONTROL CRITERIA	TEST METHOD	UNIT OR FEATURE	THICKNESS RANGE (RATED)	
		mm	t<15	15≤t≤20
THICKNESS COMPARED TO RATED VALUES <sup>1</sup> -THICKNESS T WITHIN THE BOARD	EN 14323	mm	+0,5/-0,3 t <sub>max</sub> - t <sub>min</sub> ≤ 0,6	
LENGTH AND WIDTH	EN 14323	mm	± 5	
FLATNESS	EN 14323	mm/m	-	≤2
DENSITY	EN 323	%	±7	
SURFACE DEFFECTS	EN 14323	m <sup>2</sup>	4 pieces in 1 m <sup>2</sup> between 0-2,5 mm 3 pieces in 1 m <sup>2</sup> between 2,5 - 6 mm 2 pieces in 1 m <sup>2</sup> between 6-10 mm 1 piece in 1 m <sup>2</sup> between 10-15 mm	
SURFACE RESISTANCE TO MICRO-SCRATCH <sup>2</sup>	CEN/TS 16611 (Method A)	% change	≤ 10	
RESISTANCE TO SCRATCHING <sup>3</sup>	EN 15186 Method B	N	≥ 0,5	
SURFACE RESISTANCE TO DRY TEMPERATURE (70°)	EN 12722	Rating	5	
LIGHT FASTNESS (XENON ARC LAMP) <sup>4</sup>	EN 15187	Scale	Grey scale ≥4/5 Blue wool scale >6	
MIRROR EFFECT <sup>5</sup>	TSE K 479	Observation	min. 6	
GLOSS (60°)	EN 13722	Gloss Unit (GU)	70	
COLOR DIFFERENCE (BY REFERANCE SAMPLE)	EN 13721	ΔE (L, a, b)	<1	
RESISTANCE TO COLD LIQUIDS	EN 12720+A1	Class	min. 3 (16 h)	
SURFACE RESISTANCE TO WET TEMPERATURE (70 °C)	EN 12721	Rating	PET	5
			PVC&PVC +PET	4
FORMALDEHYDE RELEASE	EN ISO 12460-3	mg/m <sup>2</sup> air	≤ CARB2 EPA, 3rd party certification report	

As an official trademark of Kastamonu, **Evogloss Medelam** boards are **PVC, PVC+PET or PET covered MDF** boards for interior furniture and decoration applications. This type of boards are especially used for new combinations in modern kitchen, bathroom, home design, furniture and decoration.

Please refer to the “Medepan CARB2-EPA Technical Specifications” for the substrate raw board specifications

<sup>1</sup>**Thickness tolerances:** Here the thickness expresses the total thickness of the raw MDF board and the coatings of both surfaces of the board.

<sup>2</sup>**Surface Resistance to Micro Scratch:** Specifies assessment of the surface resistance to micro scratching and relates to rigid surfaces of all finished products regardless of materials.

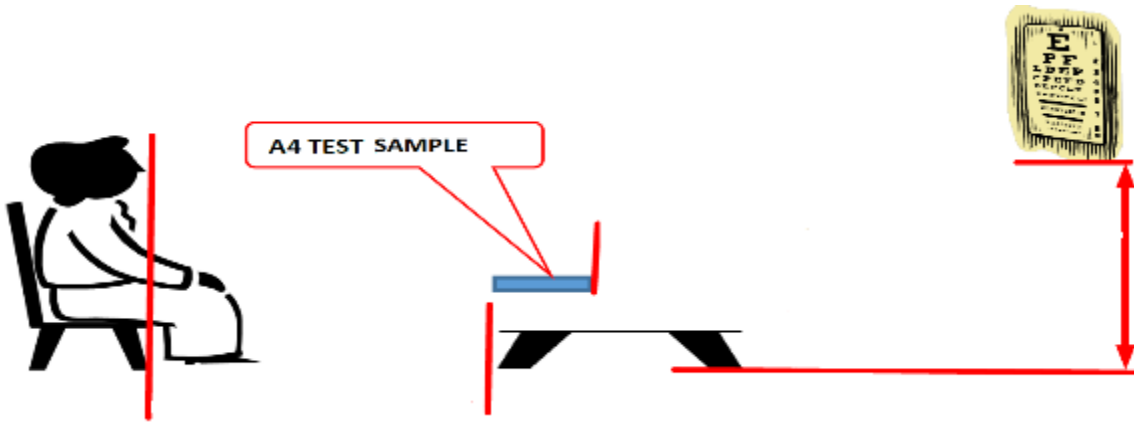
<sup>3</sup>**Resistance to scratching:** Does not include the pearlescent surface treatment.

**Colour matching and surface texture:** A slight deviation of colour and / or surface texture according to Rating<sup>4</sup> 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.

<sup>4</sup>**Light Fastness:** It covers the evaluation of the light effect on the rigid surfaces of all products whose surface treatments have been completed, regardless of their materials

<sup>5</sup>**Mirror Effect:** The mirror effect is measured as shown in the figure below and test rating is defined as the thorough and completely correct readable last sentence number.



**CARB 2:** According to the California Air Resources Board (CARB), Final Regulation Order AIRBORNE TOXIC CONTROL MEASURE TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS“, California Code of Regulations 93120-93120.12, title 17, Artikel 93120.2 (a) -Phase 2 - using the chamber method according to ASTM E 1333, MDF may not exceed 0.11 ppm and Thin-MDF 0.13 ppm.

**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 and TSE document / document scope, it is recommended to contact relevant Sales Executive.