

TECHNICAL SPECIFICATIONS

TEKNOLAM/YONGALAM (CARB2/EPA) Harmonized standard: EN 13986

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE (mm,nominal)		
			<15	15 ≤ t ≤ 20 mm	>20 mm
TOLERANCES ON NOMINAL DIMENSIONS*1 -THICKNESS COMPARED TO RATED VALUES	EN 14323	mm	1. Ve 2. For class ± 0,3 3A, 3B ve 4. For class +0,5/-0,3		±0,5
-THICKNESS t RELATIVE TO NOMINAL VALUE			$t_{max} - t_{min} \leq 0,6$		
LENGTH AND WIDTH	EN 14323	mm	± 5		
EDGE DAMAGE	EN 14323	mm	≤ 10		
SURFACE DEFECTS	EN 14323	mm ² /m ²	points ≤ 2		
		mm/m ²	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 Plain Class 3A ≥ 150		
FORMALDEHYDE RELEASE	<i>EN ISO 12460-5</i>	<i>mg/100 gr</i>	≤ <i>CARB2, 3rd party certification report</i> *3		
	ASTM D 6007	ppm	≤ 0,09		

As an official trademark of Kastamonu, **Teknolam/Yongalam CARB2-EPA** boards are **Melamine Faced Chipboards** for interior furniture and decoration applications. This type of boards are especially used for interior furniture, decoration applications and 3D front panels. Surfaces can be covered with melamine film, laminate, wood veneer, foil or lacquer painted. Please refer to the “**Teknopan/Yongapan CARB2-EPA 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.

***3 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.

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.