

## TECHNICAL SPECIFICATIONS

### TEKNOLAM/YONGALAM (FR) 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 -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 NOMINALVALUE			tmax - tmin ≤ 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		
SURFACE DEFECTS	EN 14323	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 Plain Class 3A ≥ 150		
FORMALDEHYDE RELEASE	EN ISO 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)		
FIRE BEHAVIOUR CATEGORY*3	EN 13501	Class	Thickness 18 (incl.)-38 mm (incl.): B S2 d0 Thickness 8 mm: C S2 d0		

As an official trademark of Kastamonu, **Teknolam/Yongalam FR** boards are **Melamine Faced Fire Retardant Chipboards (TeknopanFR)**. This type of boards are especially used for furniture, interior decoration, wall-ceiling covers, dividing walls, doors and fair stands where the fire retardancy is a necessity and/or priority.

Please refer to the “**Teknopan/Yongapan FR 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 Fire Behaviour Category:** The chart and detailed classification definitions/explanations are included in the given standard EN13501.

**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 relevant sales executive.