

## TECHNICAL SPECIFICATIONS

### MEDELAM FR Harmonized Standard: EN 13986

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE (mm, nominal)		
			6<t≤9	9<t≤12	12<t≤19
TOLERANCES ON NOMINAL DIMENSIONS <sup>1</sup>	EN 14323	mm	EN 14322 According to Table-2 Class 1-2; ±0,3		
-THICKNESS COMPARED TO RATED VALUES			EN 14322 According to Table-2 Class 3A-3B and 4; +0,5 / -0,3		
-THICKNESS † RELATIVE TO NOMINAL VALUE			$t_{max} - t_{min} \leq 0,6$		
LENGTH AND WITH	EN 14323	mm	± 5		
FLATNESS	EN 14323	mm/m	≤ 2		
EDGE DAMAGE	EN 14324	mm	≤ 10		
SIURFACE DEFECTS	EN 14323	mm <sup>2</sup> /m <sup>2</sup>	points ≤ 2		
		mm/m <sup>2</sup>	lines ≤ 20		
RESISTANCE TO SCRATCHING <sup>2</sup>	EN 14323	N	≥ 1,5		
RESISTANCE TO STAINING	EN 14324	Rating	≥ 3		
RESISTANCE TO CRACKING	EN 14325	Rating	≥ 3		
RESISTANCE TO ABRASION	EN 14323	Revolution	class 1 ≤ 50		
			class 3A ≥ 150		
FIRE BEHAVIOUR CATEGORY <sup>3</sup>	EN 13501	Rating	Cs2d0	Bs2d0 Cs2d0	Bs2d0
FORMALDEHYDE RELEASE	EN 12460-5	mg/100 gr	≤8 (E1), 8< release≤ 30 (E2)		
	EN-12460-1	mg/m <sup>3</sup> air	≤0,062		

As an official trademark of Kastamonu, **Medelam FR** boards are **Melamine Faced Fire Retardant MDF Boards (MedepanFR)**. 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 “**Medepan FR Technical Specifications**”.for the substrate raw board specifications

**\*1 Thickness tolerances:** Here the thickness expresses the total thickness of the raw MDF 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 given chart and detailed classification definitions and 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.