

## TECHNICAL SPECIFICATIONS

### MEDEPAN FR Harmonized Standard EN 13986/EN 622-5

TECHNICAL DATA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE				
			2,5<t≤4	4<t≤6	6<t≤9	9<t≤12	12<t≤19
DENSITY*1	EN 323	kg/m <sup>3</sup>	Specific to plant				
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0,65	0,65	0,65	0,60	0,55
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	23	23	23	22	20
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	*	2700	2700	2500	2200
SWELLING 24H	EN 317	%	35	30	17	15	12
SCREW HOLD EDGE	EN 320	N	>800 (for t >15mm)				
SAND CONTENT	EN 3340	%	< 0.05				
MOISTURE CONTENT	EN 322	%	4 - 11				
FORMALDEHYDE RELEASE	EN 12460-5	mg/100 gr	≤8 (E1), 8< releases≤ 30 (E2)				
	EN-12460-1	mg/m <sup>3</sup> air	≤0,062				

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	6<t≤13	13<t≤20	20<t≤25	25<t≤32	32<t≤40
DENSITY	EN 323	%	±7				
THICKNESS (SANDED)	EN 622-1	mm	±0.20		±0.3		
EDGE STRAIGHTNESS	EN 324	mm	±2	±5			
EDGE SQUARENESS	EN 622-1	mm/m	±2				

THICKNESS RANGE	EN 13501- FIRE BEHAVIOUR CATEGORY*2
KASTAMONU MEDEPAN 4 mm	D
KASTAMONU MEDEPAN 6 mm	C
KASTAMONU MEDEPAN 7 mm	C
KASTAMONU MEDEPAN 8 mm	B s2 d0/C s2
KASTAMONU MEDEPAN 10 mm	B s2
KASTAMONU MEDEPAN 12 mm	B
KASTAMONU MEDEPAN 16 mm	B
KASTAMONU MEDEPAN 18 mm	B
KASTAMONU MEDEPAN 18 mm	B

As an official trademark of Kastamonu, **Medepan FR** boards are **raw MDF based Fire Retardant** boards which only sanded to get smooth surface structure and do not comprise any other surface treatment like melamine facing, lacquering, PVC covering, printing or etc. 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.

**\*1 Density:** The density is not exactly specified because of the market variabilities. In order to get exact value of the density you are advised to contact the relevant Sales Executive.

**\*2 Fire Behaviour Category:** The given chart and detailed classification definitions and explanations are included in the given standard EN13501.

**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.