

## TECHNICAL SPECIFICATIONS

### SUPERPAN Harmonized Standard: EN 13986/EN 622-5

TECHNICAL DATA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE				
			6<t≤9	9<t≤12	12<t≤19	19<t≤30	30<t≤45
DENSITY*1	EN 323	kg/m <sup>3</sup>	Specific to plant				
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0,45	0,45	0,45	0,45	0,40
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	20	20	18	15	14
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	1700	1700	1600	1500	1400
SWELLING 24 H	EN 317	%	20	16	14	12	11
SCREW HOLD EDGE	EN 320	N	> 550 (for t>15 mm)				
SAND CONTENT	EN 3340	%	< 0.05				
MOISTURE CONTENT	EN 322	%	4 - 11				
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 (E0) / ≤ 0,124 (E1)				

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE				
			6<t≤9	9<t≤12	12<t≤19	19<t≤30	30<t≤45
DENSITY	EN 323	%	±7				
THICKNESS (SANDED)	EN 622-1	mm	±0.20			±0.3	
EDGE STRAIGHTNESS	EN 324	mm	±5				
EDGE SQUARENESS	EN 622-1	mm/m	±2				

As an official trademark of Kastamonu, **Superpan** boards are **raw MDF** based 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 interior furniture and decoration applications; profile-enclosed front panels, high-quality shelf panels, wall panels (Wallboard), decorative panels, kitchen furniture and office furniture.

**\*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.

**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.