

## TECHNICAL SPECIFICATIONS

### TEKNOPAN CARB2/EPA (TYPE P2) Harmonized Standard: EN 13986 2.2004 +A1 / EN 312

TECHNICAL DATA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE				
			6<t≤13	13<t<20	20<t≤25	25<t≤32	32<t≤40
DENSITY*1	EN 323	kg/m <sup>3</sup>	Specific to plant				
INTERNAL BOND	EN 319	N/mm <sup>2</sup>	0,40	0,35	0,30	0,25	0,20
BENDING STRENGTH	EN 310	N/mm <sup>2</sup>	11	11	10,5	9,5	8,5
MODULUS OF ELASTICITY	EN 310	N/mm <sup>2</sup>	1800	1600	1500	1350	1200
SURFACE SOUNDNESS	EN 311	N/mm <sup>2</sup>	≥ 0,8				
SCREW HOLD EDGE	EN 320	N	≥ 450				
SWELLING (2 H)	EN 317	%	≤ 20				
MOISTURE CONTENT	EN 322	%	5-13				
EDGE SQUARENESS	EN 324	mm/m	≤2				
EDGE STRAIGHTNESS	EN 324	mm/m	≤1,5				
FORMALDEHYDE RELEASE	EN ISO 12460-5	mg/100 gr	≤ CARB2*2, 3rd party certification report				
	ASTM E 1333	ppm	≤ 0,09 ppm				

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE				
			6<t≤13	13<t<20	20<t≤25	25<t≤32	32<t≤40
DENSITY	EN 323	%	±10				
THICKNESS (SANDED)	EN 324	mm	±0,30				
WIDTH LENGTH	EN 324	mm	±5				

As an official trademark of Kastamonu, **Teknopan** boards are raw **ChipBoard** 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.

**\*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 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.

**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.