

## TECHNICAL SPECIFICATIONS

### TEKNOPAN FR (TYPE P2 FR) Harmonized Standard: EN13986 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 HOLDING	EN 320	N	≥ 650				
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 12460-5	mg/100 gr	≤8				
FIRE BEHAVIOUR CATEGORY*2	EN 13501	Class	<b>Cs2d0</b>	<b>Bs2d0 Cs1d0</b>	<b>Bs2d0</b>	<b>Bs2d0 Cs2d0</b>	<b>Bs2d0</b>

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 FR** boards are **Fire Retardant Chipboards** 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 chart and detailed classification definitions/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.

**Note 2:** For current EN document / document scope, it is recommended to contact the relevant sales executive.