

TECHNICAL SPECIFICATIONS

TEKNOPAN- TYPE (P3) MRF4STAR Harmonized standard EN 13986 / EN 312

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE (mm, nominal)				
			6<t≤13	13<t≤20	20<t≤25	25<t≤32	32<t≤40
DENSITY*1	EN 323	kg/m ³	Specific to plant				
INTERNAL BOND	EN 319	N/mm ²	0,45	0,45	0,40	0,35	0,30
BENDING STRENGTH	EN 310	N/mm ²	15	14	12	11	9
MODULUS OF ELASTICITY	EN 310	N/mm ²	2050	1950	1850	1700	1550
BENDING STRENGTH UNDER WET CONDITIONS	JIS A 5908	N/mm ²	Min 6,5				
SURFACE SOUNDNESS	EN 311	N/mm ²	0,95				
SCREW HOLD EDGE	EN 320	N	≥650 (for >15 mm)				
SWELLING 24H	EN 317	%	≤ 12				
MOISTURE CONTENT	EN 322	%	5 - 13				
FORMALDEHYDE RELEASE	EN ISO 12460-5	mg/100gr	< 2,5				
	JIS A 5908	(F****)*2 mg/L	Minimum : 0,3 or below Maximum : 0,4 or below				

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 324	%	±10				
THICKNESS (SANDED)	EN 324	mm	±0,30				
WIDTH/LENTH	EN 324	mm	±5				
EDGE SQUARENESS	EN 324	mm	±2				

As an official trademark of Kastamonu, **Type (P3) MRF4STAR Teknopan** boards are raw **ChipBoard based Moisture Resistant** boards which are produced according to the Japanese Industrial Standards JIS A5908. This type of boards are especially used for the furnitures designed for humid conditions like bathroom furnitures, kitchen tops, windowsills, underfloor plates and camper floorings.

***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 F4STAR (F★★★★):** Japan F4 Star standards (F★★★★) concerns the agriculture and forestry laws and regulations of Japan. Certificates issued by the Ministry, "F4 Star" are consider the highest level of environmental and health standards. F4 Star standard is more stringent standard than the European E0 Standard.

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.