



# SPB PRIME (MDF) TECHNICAL SPECIFICATIONS

Specifications for Thickness Ranges Available

(Revise Date : 15 November 2013 (Rev. 04))



Ref.	Properties	Unit	<3.0mm	3.0mm ~ <4.0mm	4.0mm ~ <5.0mm	5.0mm ~ ≤6.0mm		
1.0	Thickness	Unpolished	mm	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.5	
		Polished	mm	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	
2.0	Size ( Length / Width )	mm	+/- 3.0	+/- 3.0	+/- 3.0	+/- 3.0		
3.0	Squareness ( per meter length )	mm	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0		
4.0	Density	kg/m <sup>3</sup>	≥ 740	≥ 740	≥ 730	≥ 730		
5.0	Bending Strength	kgf/cm <sup>2</sup>	≥ 250	≥ 250	≥ 250	≥ 250		
		N/mm <sup>2</sup>	≥ 25	≥ 25	≥ 25	≥ 25		
6.0	Internal Bond	kgf/cm <sup>2</sup>	≥ 5	≥ 5	≥ 5	≥ 5		
		N/mm <sup>2</sup>	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5		
7.0	Thickness Swelling	%	≤ 17	≤ 17	≤ 17	≤ 17		
8.0	Average Moisture Content	%	5 ~ 13	5 ~ 13	5 ~ 13	5 ~ 13		
9.0	Formaldehyde Emissions	<u>JIS (Desiccator Method)</u>		<u>EN (Perforator Method)</u>		<u>CARB (E 1333-96)</u>		
			<u>Average</u>	<u>Maximum</u>				
		F☆☆☆☆	0.3mg/l	0.4mg/l	E1	≤ 8mg/100g	P2	0.13ppm
		F☆☆☆	0.5mg/l	0.7mg/l	E2	≤ 30mg/100g		
	F☆☆	1.5mg/l	2.1mg/l					
###	Appearance	a) Top surface of the fibreboard shall be free from noticeable unevenness, staining, separation, twisting and warping. b) Bottom surface shall be free from deep scratch, dented and bulging. c) The sectional surface of the fibreboard shall be excellent, and the side surface shall be orthogonal to the plane of the board.						

Management System Certification



Certificate No. SG05/00590 MY05/0150

Product Certification



Certificate No.: TPC2/CARB-ATCM/0721265-1

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