



SPB PRIME (MDF) TECHNICAL SPECIFICATIONS

Specifications For Thickness Ranges Available

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/cm ³	≥ 740	≥ 740	≥ 730	≥ 730	
5.0	Bending Strength	kgf/cm ²	≥ 300	≥ 300	≥ 300	≥ 300	
		N/mm ²	≥ 30.0	≥ 30.0	≥ 30.0	≥ 30.0	
6.0	Internal Bond	kgf/cm ²	≥ 5	≥ 5	≥ 5	≥ 5	
		N/mm ²	≥ 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		JIS Desiccator Method SEO EO E1 E2	Average 0.3mg/l 0.5mg/l 1.5mg/l 5.0mg/l	Maximum 0.4mg/l 0.7mg/l 2.1mg/l 7.0mg/l	EN Perforator Method E1 ≤ 8mg/ 100g E2 ≤ 30mg/ 100g	

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19 DEC 2007
(Rev.02)



Certificate No: SG05/0590 MY05/0150/QS

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SPB PRIME (MDF) TECHNICAL SPECIFICATIONS

Specifications For Thickness Ranges Available for RS-30UF☆☆☆ and F☆☆mdf

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	mm	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	
4.0	Density	g/cm ³	≥ 0.35	≥ 0.35	≥ 0.35	≥ 0.35	
5.0	Bending Strength	N/cm ²	≥ 30.0	≥ 30.0	≥ 30.0	≥ 30.0	
6.0	Internal Bond	N/cm ²	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5	
7.0	Average Moisture Content	%	5 ~ 13	5 ~ 13	5 ~ 13	5 ~ 13	
8.0	Formaldehyde Emissions	JIS 1460 : 2001 Desiccator Method ▶		F ☆☆☆☆ F ☆☆☆ F ☆☆	Average Maximum 0.3mg/l 0.4mg/l 0.5mg/l 0.7mg/l 1.5mg/l 2.1mg/l		

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