TECHNICAL SPECIFICATION

Interior Grade 2 Prelaminated MDF Board E2

SR No	PROPERTIES	THICKNESS MM						
		< 2.5	>2.5 to 4	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30
1	Density, kg/m3	600 – 900						
2	Variation from mean density, percent	+ 10						
3	Moisture content, percent	5 – 10						
4	Variation from mean moisture content, percent	+ 3						
5	Thickness Swelling in Water,24 h soaking, percent, Max	45	35	30	17	15	12	10
6	Internal bond strength, N/mm2, Min	0.65	0.65	0.65	0.65	0.60	0.55	0.55
7	**Modulus of rupture, N/mm2 , Min**							
	A) Average	23.0	23.0	23.0	23.0	22.0	20.0	18.0
	B) Individual	20.5	20.5	20.5	20.5	19.5	18.0	16.0
8	**Modulus of elasticity, N/mm2 , Min**							
	A) Average	2800	2800	2700	2700	2500	2200	2100
	B) Individual	2500	2500	2400	2400	2250	1950	1900
9	**Screw withdrawal, N**							
	A) Face	1250	1250	1250	1250	1250	1250	1250
	B) Edge	NA	NA	NA	NA	NA	700	700
10	Abrasion resistance in number of revolutions, Min, Type 2	450	450	450	450	450	450	450
11	Resistance to steam	No sign of blister,delamination,or change in surface finish						
12	Resistance to crack	No sign of cracks or delamination						
13	Resistance to Cigarette burn	No mark or stain on the specimen after cleaning with water or solvent						
14	Resistance to stain	No stain on the specimen after cleaning with solvent or detergent						
15	Free Formaldehyde Content (IS:13745.2020)	<30						

Interior Grade 2 Prelaminated Particle Board E2

SR No	PROPERTIES	UNIT	STANDARD VALUE
1	Density, kg/m3	kg/m3	500-900
2	Density variation (Max),	%	+10
3	Moisture Content	%	5 - 15
4	Variation from mean Moisture content	%	+3
5	**Water absorption (Max),**		
	A) 2 Hrs	%	15.0
	B) 24 Hrs	%	30.0
6	Thickness Swelling (Max), 02Hrs	%	12.0
7	**1) Modulus of rupture (Min)**		
	A) Average	N/mm2	11.0
	B) Minimum, Individual	N/mm2	10.0
	2) Modulus of elasticity, (Min)		
	A) Average	N/mm2	2500
	B) Minimum, Individual	N/mm2	2200
8	**Tensile strength perpendicular to surface (Min)**		
	A) Up to 20 mm thickness	N/mm2	0.30
	B) Above to 20 mm thickness	N/mm2	0.30
9	**Screw holding**		
	A) Face	N	1250
	B) Edge (for board of thickness ≥ 12 mm)	N	750
10	Abrasion resistance in number of revolutions, Min, Type 2	Revolutions	450
11	Resistance to steam	-	No sign of blister,delamination,or change in surface finish
12	Resistance to crack	-	No sign of cracks or delamination
13	Resistance to Cigarette burn	-	No mark or stain on the specimen after cleaning with water or solvent
14	Resistance to stain	-	No stain on the specimen after cleaning with solvent or detergent
15	Free Formaldehyde Content (IS:13745.2020)	mg/100 gm for oven dry board	< 30

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PEARL | WOOD GRAIN

2005 | Classic Planked Walnut

2001 | Flowery Wenge

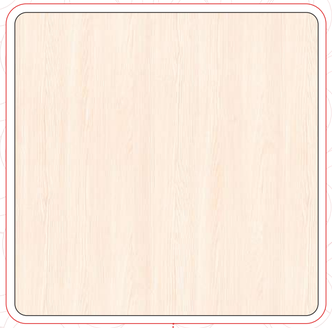
2002 | Moldau Acacia dark

2003 | Moldau Acacia Light

2008 | Oxford Cherry

2007 | Bavarian Beech

PEARL | WOOD GRAIN



2004 | Highland Pine

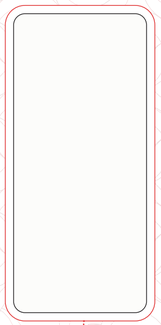
2010 | Khaya Mahogany

2006 | Natural Mahogany

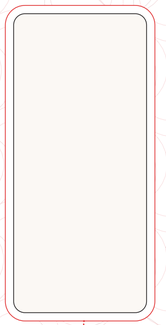
2009 | Nayana Teak

2011 | Sapelli

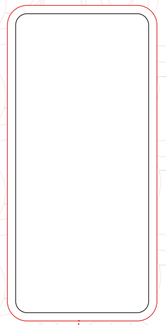
PEARL | SOLID COLOUR



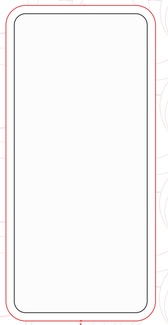
1002 | Frosty White



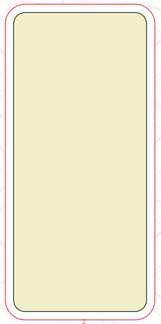
1003 | Off White



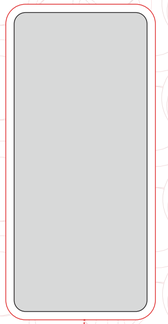
1001 | Super White



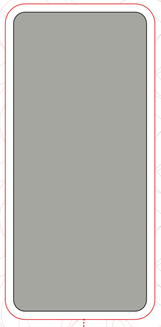
1004 | Balancing White



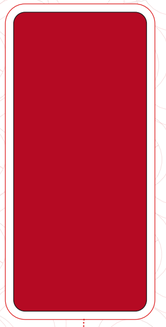
1005 | Ivory



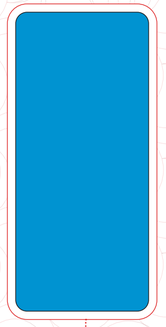
1006 | Silver Grey



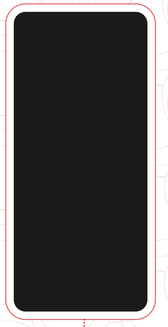
1007 | Gothic Grey



1009 | Cardinal Red



1008 | Electric Blue



1010 | Black