



PREMIER® MDF | medium density fiberboard

passion
for panels®

DISCOVER THE PREMIER® PERFORMANCE DIFFERENCE

For outstanding performance, durability and consistency in your moulding and millwork applications, Flakeboard's Premier® MDF offers everything you need. Our advanced refining processes and high quality wood furnish offer excellent surface qualities for deep, detailed profiling of cabinets, fixtures and furniture components.

Choose from:

- **Premier® MDF** - our standard grade that's ideal for most industrial uses including cabinets, fixtures and furniture components
- **Premier® Plus** - an increased internal bond makes this grade ideal for intricate machining and is a popular choice for retail and commercial displays
- **Premier® Lite** - a lighter weight and cost-effective alternative for detailed profiling and moulding manufacturers
- **Premier® Plus MR** - a moisture resistant panel offering for high humidity applications such as kitchen, bath and laboratory cabinetry
- **Premier® FR** - a UL approved, Class A/Class 1 fire-rated panel suited for commercial and institutional projects when required by fire safety codes and specifications
- Specialty options such as High Density, cut-to-size and shelving are available upon request

Premier® MDF Specification (Bennettsville, SC)

Grade	Premier® MDF			Premier® Plus			Premier® Lite		
Thickness (in)*	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 1 1/2	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 2	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 2
Density (pcf)	46	45	45	45	44	44	40	40	40
MOR (psi)	3,500	3,500	3,500	3,000	3,000	3,000	2,500	2,500	2,500
MOE (psi)	350,000	350,000	350,000	300,000	300,000	300,000	250,000	250,000	250,000
Internal Bond (psi)	100	90	85	120	100	90	90	90	90
Face Screw Hold (lb)	300	275	275	300	275	275	225	225	225
Edge Screw Hold (lb)	250	225	225	250	225	225	200	200	200
Thickness Swell** ≤ 9/16	0.059"	N/A	N/A	0.059"	N/A	N/A	0.059"	N/A	N/A
≥ 9/16	10%	10%	10%	10%	10%	10%	12%	12%	12%
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8

Grade	Premier® Plus MR			Premier® FR			Premier® High Plus		
Thickness (in)*	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 2	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 1 3/4	3/8 - 13/16	7/8 - 1 1/8	1 3/16 - 2
Density (pcf)	45	44	44	45	44	44	47	46	46
MOR (psi)	3,000	3,000	3,000	3,000	3,000	3,000	3,500	3,500	3,500
MOE (psi)	300,000	300,000	300,000	300,000	300,000	300,000	350,000	350,000	350,000
Internal Bond (psi)	140	120	110	100	80	70	150	135	125
Face Screw Hold (lb)	300	275	275	275	275	275	300	275	275
Edge Screw Hold (lb)	250	225	225	225	225	225	250	225	225
Thickness Swell** ≤ 9/16	0.030"	N/A	N/A	0.059"	N/A	N/A	0.059"	N/A	N/A
≥ 9/16	5%	5%	5%	10%	10%	10%	10%	10%	10%
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8
Flame Spread	15 US and 20 Canada								
Smoke Developed	95 US and Canada								

* Metric thickness available. ** According to ASTM D 1037 (24-hour water submersion). The above physical properties are based on averages of normal production.

- Look for FSC® certified products
- Product suitability for a particular application is the responsibility of the fabricator or end user
- Complies with CPA EPPS 3-08 and CCR 93120.2 (California ARB Composite Wood ATCM Phase 2 Formaldehyde Emission Limits)
- Material Safety Data Sheets are available upon request
- All panels are approved for use in interior, non-structural applications
- Contains 100% Recycled/Recovered Wood Content
- Conforms to formaldehyde emission requirements for MDF in ANSI A208.2-2009
- Testing in accordance with procedures described in ANSI A208.2-2002 for MDF

CALIFORNIA PROPOSITION 65 REQUIREMENT

Warning: Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.



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www.flakeboard.com 1.800.268.9830

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Premier® MDF Specification (Eugene, OR)

Grade	Premier® MDF		Premier® Plus	Premier® Lite	
Thickness (in)*	3/8 - 13/16	7/8 - 1 1/8	5/8 - 3/4	3/8 - 13/16	7/8 - 1 1/8
Density (pcf)	46	45	48	37	36
MOR (psi)	3,500	3,500	4,000	2,500	2,500
MOE (psi)	350,000	350,000	400,000	250,000	250,000
Internal Bond (psi)	115	100	140	95	90
Face Screw Hold (lb)	300	275	375	225	225
Edge Screw Hold (lb)	250 (≥ 5/8)	225	325	200 (≥ 16mm)	200
Thickness Swell** ≤ 9/16	0.059"	N/A	0.059"	0.059"	N/A
≥ 9/16	10%	10%	10%	10%	10%
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8

Grade	Premier® MR		Premier® FR	Premier® HDF		
						HDF 60
Thickness (in)*	3/8 - 13/16	7/8 - 1 1/8	3/8 - 3/4	3/8 - 3/4	13/16 - 1"	3/8 - 3/4
Density (pcf)	46	45	47	55	52	60
MOR (psi)	3,500	3,000	3,000	4,500	4,200	5,000
MOE (psi)	350,000	300,000	300,000	450,000	420,000	500,000
Internal Bond (psi)	140	120	100	140	130	160
Face Screw Hold (lb)	325	300	325	375	350	450
Edge Screw Hold (lb)	250 (≥ 5/8)	225	225 (≥ 5/8)	325	300	300
Thickness Swell** ≤ 9/16	0.030 in	N/A	0.059 in	0.059 in	N/A	N/A
≥ 9/16	5%	5%	10%	10%	10%	10%
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8
Flame Spread			20 US and Canada			
Smoke Developed			40 US and Canada			

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