



# PREMIER FR fire-rated MDF

## A RENOWNED FIRE-RETARDANT MDF PANEL THAT DELIVERS

When you need a flame-retardant MDF solution for your paneling, cabinetry, shelving, trim and furniture needs, Flakeboard Premier® FR MDF is best in class. Our Class A/Class 1 rated fire-retardant MDF panels are ideal for interior, non-structural use in public areas such as schools, hotels, hospitals and restaurants. Premier® FR MDF's design flexibility and workability make it an ideal choice for a variety of applications.

Flakeboard Premier® FR MDF delivers:

- Smooth surface properties for painting or laminating
- Dense, flat surfaces for easy machining
- Uniform fibre distribution and texture
- Sharp edges and strong internal bond
- Good acoustical dampening properties
- The right thickness for thick board applications

Premier® FR MDF Specification (Bennettsville, SC; Eugene, OR) <sup>Δ</sup>

Properties	Premier® FR Lite Bennettsville			Premier® FR Bennettsville			Premier® FR Eugene	
Thickness (in)*	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 - 1 3/4	3/8 - 9/16	5/8 - 3/4
Density (pcf)	42	41	41	45	44	44	47	47
MOR (psi)	2,500	2,500	2,500	3,000	3,000	3,000	3,130	3,130
MOE (psi)	250,000	250,000	250,000	300,000	300,000	300,000	313,000	313,000
Internal Bond (psi)	90	80	70	100	80	70	90	90
Face Screw Hold (lb)	225	225	225	275	275	275	300	300
Edge Screw Hold (lb)	200	200	200	225	225	225	N/A	225
Thickness Swell** ≤ 9/16 ≥ 9/16	0.059* 10%	N/A 10%	N/A 10%	0.059* 10%	N/A 10%	N/A 10%	0.065* N/A	N/A 11%
Thickness Tolerance (in)	+/- 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
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8
Flame Spread	15 US and 20 Canada			15 US and 20 Canada			25 US and Canada	
Smoke Developed	95 US and Canada			95 US and Canada			40 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.  
<sup>Δ</sup> Request mill specific values.

- Look for FSC® certified products
- Product suitability for a particular application is the responsibility of the fabricator or end user
- Complies with ECC 4-11, ANSI A208.2-2009 and CARB ATCM 93120 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
- ASTM E 84 Standard Test for Surface Burning Characteristics of Building Materials
- UL 723 Test for Surface Burning Characteristics of Building Materials
- CAN/ULC - S102 Test for Surface Burning Characteristics of Building Materials

### USAGE NOTES

Some laminates and coatings applied to Premier® FR MDF may change the flame spread rating. Standard available woodworking glues have been successfully used in lamination. Any adhesive should be tested for compatibility with the chemical system in Premier® FR MDF prior to full-scale gluing. Questions should be directed to the glue supplier.

Wood veneers and other laminates should be tested for compatibility with Premier® FR MDF prior to use. Some wood veneers, laminates, and other types of products may have reactions to surface coatings and finishes, glues, pressing temperatures, moisture, contaminants, the chemical systems used to manufacture FR MDF products, the failure to use UV inhibitors, or due to other causes. Reactions may include discoloration to veneer or laminate. Flakeboard is not responsible for discoloration or for claims associated with discoloration. Please contact your Sales Representative for more information.

When using Premier® FR MDF in wall systems, an integral vapor barrier must be a properly installed component of the wall in any of the following conditions: the wall has an exterior side and the wall separates spaces conditioned unequally.

### LIMITATIONS

Premier® FR MDF should be specified for interior, non-structural use only and is not intended for use in exterior applications or damp conditions.

### STORAGE AND HANDLING

Premier® FR MDF should never be stored or used outdoors. The indoor storage area should be clean, dry, well-ventilated, and free of dust, dirt or particles that could contaminate the MDF. Store flat on stiers on a level, hard surface. Constant relative humidity and temperature should be maintained. Before use, allow to stabilize to the same conditions as are expected after the panel is installed. Conditions 48 to 72 hours prior to lamination. For more information, see Composite Panel Association Technical Bulletin: Storage and Handling of Particleboard and 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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