Flakeboard

PREMIER® FR | fire rated MDF

passion for panels®

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)[Δ]

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 - 3/4
Density (pcf)	42	41	41	45	44	44	47
MOR (psi)	2,500	2,500	2,500	3,000	3,000	3,000	3,000
MOE (psi)	250,000	250,000	250,000	300,000	300,000	300,000	300,000
Internal Bond (psi)	90	80	70	100	80	70	100
Face Screw Hold (lb)	225	225	225	275	275	275	325
Edge Screw Hold (lb)	200	200	200	225	225	225	225 (≥ 5/8)
Thickness Swell** ≤ 9/16	0.059"	N/A	N/A	0.059"	N/A	N/A	0.065"
≥ 9/16	10%	10%	10%	10%	10%	10%	11%
Thickness Tolerance (in)	+/– .005	+/– .005	+/– .005	+/– .005	+/– .005	+/– .005	+/– .005
Length and Width (in)	+/– 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
Flame Spread	15 US and 20 Canada			15 US and 20 Canada			20 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.
[Δ] Request mill specific values.

- 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(a) (CARB Composite Wood ATCM Phase 1 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
- ASTM E 84 Standard Test for Surface Burning Characteristics of Building Materials
- UL 723 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 products prior to use. Some species of wood veneer may have reactions to select combinations of surface coatings, veneer glues, pressing temperatures and the chemical systems used to manufacture FR MDF products. Reactions may include slight discoloration to veneer. Flakeboard is investigating solutions, but until trials are complete, we will not be responsible for claims associated with discoloration. Please contact your Sales Representative for more information.

When using Premier® FR 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 stickers 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.

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EPP CPA CERTIFIED
CPA-3-08 Specification
California ARB Approved
Third Party Certifier TPC-1

Composite Panel Association