Flakeboard

VESTA FR | fire-rated no added urea-formaldehyde resin MDF

passion for panels®

A RENOWNED FIRE-RATED MDF PANEL THAT DELIVERS

When you need a no added urea-formaldehyde resin, fire-rated MDF for paneling, cabinetry, shelving, trim and furniture, Flakeboard **VESTA FR** MDF is best in class. This UL approved, Class A/Class 1 fire-rated panel is ideal for interior, non-structural use in public areas such as schools, hotels, and restaurants. **VESTA FR** MDF's design flexibility and workability make it an ideal choice for a variety of applications.

Flakeboard **VESTA FR** MDF delivers:
- Smooth surface properties for painting or laminating
- Dense, flat surfaces for easy machining
- Uniform fiber distribution and texture
- Sharp edges and strong internal bond
- Good acoustical dampening properties

LEED Qualifying Credits:
MR 4.1 Recycled Content 10%
MR 4.2 Recycled Content 20%
MR 5.1 Regional Materials 10%
MR 5.2 Regional Materials 20%
IEQ 4.4 Low-emitting Materials

Properties	VESTA FR Lite - Bennettsville			VESTA FR - Bennettsville		
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
Density (pcf)	42	41	41	45	44	44
MOR (psi)	2,500	2,500	2,500	3,000	3,000	3,000
MOE (psi)	250,000	250,000	250,000	300,000	300,000	300,000
Internal Bond (psi)	90	80	70	100	80	70
Face Screw Hold (lb)	225	225	225	275	275	275
Edge Screw Hold (lb)	200	200	200	225	225	225
Thickness Swell** ≤ 9/16	0.059"	N/A	N/A	0.059"	N/A	N/A
≥ 9/16	10%	10%	10%	10%	10%	10%
Thickness Tolerance (in)	+/– .005	+/– .005	+/– .005	+/– .005	+/– .005	+/– .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	15 US and 20 Canada			15 US and 20 Canada		
Smoke Developed	95 US and Canada			95 US and Canada		

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

- 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
- 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 **VESTA FR** MDF may change the flame spread rating. Standard available woodworking glues have been successfully used in lamination. However, some adhesives may have compatibility problems with the chemical systems used to manufacture **VESTA FR** MDF. Any adhesive should be tested for compatibility with the chemical system in **VESTA FR** MDF prior to full-scale gluing. Questions should be directed to the glue supplier. When using **VESTA 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
Vesta 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
Vesta 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.

FSC
The mark of responsible forestry
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Bennettsville, SC MDF ONLY

c UL us LISTED

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

Composite Panel Association

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