

## DESIGNED FOR DURABILITY AND PERFORMANCE

When looking for a premium industrial particleboard for your demanding applications, **Duraflake®** from Flakeboard performs. Our unique three-layer panel construction process produces exceptionally smooth faces for a wide range of quality finishes.

Choose from:

- **Duraflake®** for industrial end uses, including cabinets, fixtures and furniture components
- **Duraflake® FR** (fire-rated) a UL® approved, Class A/Class 1 fire-rated particleboard for safety code and architectural specified projects
- **Duraflake® MR** (moisture resistant), an interior, moisture-resistant panel that is ideal for environments with high humidity or incidental moisture
- **Duraflake® High Density** for exceptional panel milling and shaping requirements
- **Duraflake® Plus** for more demanding industrial applications (meets M-3 grade specifications)
- **Duraflake® Underlayment**, a favorite with builders and do-it-yourselfers
- **VESTA** is a specialty **Duraflake®** particleboard formulated using a no added urea-formaldehyde resin process

Grade	Duraflake®	Duraflake® FR		Duraflake® MR	Duraflake® High Density Particleboard
Thickness (in)*	3/8 - 1 1/8	3/8 - 3/4	1 3/16 - 1 1/2	3/8 - 1 1/8	3/8 - 1 1/8
Specification	ANSI M-S	Class A Class 1	Class A Class 1	ANSI M-3	ANSI H-2
Density (pcf)	42-45	47-50	44-47	45-48	53-55
MOR (psi)	1,850	1,600	1,600	2,400	3,000
MOE (psi)	350,000	300,000	250,000	400,000	450,000
Internal Bond (psi)	60	80	60	80	130
Face Screw Hold (lb)	200	250	250	250	425
Edge Screw Hold (lb)	175	225	175	225	350
Linear Expansion (%)	0.35	0.40	0.35	0.35	0.35
Thickness Tolerance (in)	+/- .005	+/- .005	+/- .005	+/- .005	+/- .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
Hardness (lb)	500	N/A	N/A	500	1,000

  

Grade	Duraflake® PLUS			Duraflake® Underlayment	VESTA
Thickness (in)*	3/8 - 3/4	1 3/16 - 3 1/16	1 1/4 - 1 5/8	3/8 - 3/4	3/8 - 1 1/8**
Specification	ANSI M-3	ANSI M-3	ANSI M-2	ANSI PBU	ANSI M-2
Density (pcf)	45-48	45-48	45-47	40	45-47
MOR (psi)	2,400	2,400	2,103	1,600	2,103
MOE (psi)	400,000	400,000	326,000	250,000	326,000
Internal Bond (psi)	80	80	65	60	65
Face Screw Hold (lb)	250	250	225	N/A	225
Edge Screw Hold (lb)	225	225	202	N/A	202
Linear Expansion (%)	0.35	0.35	0.35	0.35	0.35
Thickness Tolerance (in)	+/- .005	+/- .005	+/- .005	+/- .005	+/- .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
Hardness (lb)	500	500	500	500	500

\* Metric thickness available. The above properties are based on averages of normal production. \*\* Please contact your Sales Representative for thickness standards and availability.

- 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
- Duraflake® conforms to both ANSI A208.1 Table A and HUD 24 CFR Part 3280. Duraflake® Underlayment conforms to formaldehyde emission requirements for particleboard in ANSI A208.1 Table B and HUD 24 CFR Part 3280. Duraflake® FR conforms to HUD 24 CFR Part 3280 formaldehyde emission requirements for particleboard.

### STORAGE AND HANDLING

Duraflake® particleboard products 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 particleboard. Store flat on stickers on a level, hard, dry 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. Condition 48 to 72 hours prior to lamination. For more information, see Composite Panels Association Technical Bulletin: Storage and Handling of Particleboard and MDF.

