



DURAFLAKE® | particleboard



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® Custom** is a versatile, cost-effective product well-suited for general applications.
- **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-yourselfer

DuraFlake® Particleboard Specification

Grade	Duraflake®	Duraflake® FR		Duraflake® MR	Duraflake® Custom
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 3/16
Specification	ANSI M-2	Class A/Class 1 Flame Spread	Class A/Class 1 Flame Spread	ANSI M-3	ANSI M-S
Density (pcf)	42 - 45	47 - 50	44 - 47	45 - 48	40 - 43
MOR (psi)	1,885	1,600	1,600	2,400	1,595
MOE (psi)	290,100	300,000	250,000	400,000	246,600
Internal Bond (psi)	58	80	60	80	52
Face Screw Hold (lb)	202	250	250	250	180
Edge Screw Hold (lb)	180	225	175	225	157
Linear Expansion (%)	0.40	0.40	0.35	0.35	0.40
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	Duraflake® Plus			Duraflake® Underlayment
Thickness (in)*	3/8 - 3/4	1 3/16 - 1 3/16	1 1/4 - 1 5/8	3/8 - 3/4
Specification	ANSI M-3	ANSI M-3	ANSI M-2	ANSI PBU
Density (pcf)	45 - 48	45 - 48	45 - 47	40
MOR (psi)	2,400	2,400	2,103	1,600
MOE (psi)	400,000	400,000	326,000	250,000
Internal Bond (psi)	80	80	65	60
Face Screw Hold (lb)	250	250	225	N/A
Edge Screw Hold (lb)	225	225	202	N/A
Linear Expansion (%)	0.35	0.35	0.35	0.35
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Squareness (in)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8

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

- 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
- Duraflake® conforms to both ANSI A208.1-2009 and HUD 24 CFR Part 3280. Duraflake® Underlayment conforms to formaldehyde emission requirements for particleboard in ANSI A208.1-2009 Table B and HUD 24 CFR Part 3280.

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.

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.

