



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® Custom** is a versatile, cost-effective product well-suited for general applications
- **Duraflake® Plus** for more demanding industrial applications
- **Duraflake® Underlayment**, a favorite with builders and the do-it-yourselfer

Additional Duraflake particleboard grades are available, ask your sales representative for details.

Duraflake® Particleboard Specification

Grade	Duraflake®		Duraflake® FR Class A/Class 1 Flame Spread	
	Thickness (in)*	$\frac{3}{8} - \frac{1}{8}$	$\frac{3}{16} - \frac{3}{4}$	$\frac{3}{8} - \frac{3}{4}$
Density (pcf)**	45.5	43.5	47	46.5
MOR (psi)	2,000	1,800	1,600	1,600
MOE (psi)	375,000	350,000	325,000	325,000
Internal Bond (psi)	70	65	75	65
Face Screw Hold (lb)	250	250	240	240
Edge Screw Hold (lb)	185	175	190	175
Linear Expansion (%)	0.40	0.40	0.40	0.35
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- $\frac{1}{16}$	+/- $\frac{1}{16}$	+/- $\frac{1}{16}$	+/- $\frac{1}{16}$
Squareness (in)	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$

Grade	Duraflake® Custom	Duraflake® Plus	Duraflake® Underlayment
	Thickness (in)*	$\frac{3}{8} - \frac{3}{4}$	$\frac{3}{8} - 1\frac{3}{16}$ ***
Density (pcf)	44.5	47	45.5
MOR (psi)	1,700	2,400	2,103
MOE (psi)	325,000	425,000	400,000
Internal Bond (psi)	60	80	68
Face Screw Hold (lb)	225	275	275
Edge Screw Hold (lb)	160	225	202
Linear Expansion (%)	0.40	0.35	0.35
Thickness Tolerance (in)	+/- 0.005	+/- 0.005	+/- 0.005
Length and Width (in)	+/- $\frac{1}{16}$	+/- $\frac{1}{16}$	+/- $\frac{1}{16}$
Squareness (in)	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$

* Metric thickness available. Please contact your Sales Representative for thickness standards and availability. ** Density Range +/-2% The above properties are based on targeted averages of normal production. *** Meets M-3 grade specifications.

- 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 A208.1-2009, HUD 24 CFR 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

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.



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www.flakeboard.com 1.800.268.9830