



# Optimal Product for SPECIFIED PROJECTS

## SPECIFICATION SHEET

**DURAFLAKE VESTA ULEF** is a specialty particleboard manufactured using an ultra-low emitting formaldehyde resin system. This makes it the optimal choice for additional LEED points and other ULEF specified projects.

### ULEF options also include:

- Moisture Resistant
- Fire-Rated

### LEED Qualifying Credits:

- MR 4 Recycled Content 10%, 20%
- MR 5 Regional Materials 10%, 20%
- MR 7 Certified Wood
- IEQ 4.4 Low-emitting Materials

DURAFLAKE VESTA ULEF												
		Albany, OR							St. Stephen, NB			
		Duraflake VESTA ULEF		**Duraflake MR VESTA ULEF			*Duraflake FR VESTA ULEF		*Duraflake FR Vesta ULEF			
Thickness Range	(in./mm)	3/8" - 15mm	5/8" - 1 1/8"	3/8" - 15mm	5/8" - 1 1/8"	1 3/16" - 1 1/2"	3/8" - 3/4"	5/8" - 3/4"	1 3/16" - 1 1/2"	3/8" - 7/16"	1/2" - 9/16"	5/8" - 3/4"
Average MOR	(psi)	1,950	1,950	2,400	2,400	2,103	1,600	1,600	1,600	1,813	1,813	1,813
Average MOE	(psi)	350,000	350,000	400,000	400,000	350,000	325,000	325,000	300,000	246,600	246,600	246,600
Average Internal Bond	(psi)	70	70	80	80	68	75	75	60	58	58	58
Face Screw Hold	(lb)	250	250	250	250	250	240	240	240	180	180	180
Edge Screw Hold	(lb)	N/A	185	N/A	225	202	N/A	190	175	157	157	157
Thickness Tolerance	(in.)	+/- .005	+/- .005	+/- .005	+/- .005	0.010	+/- .005	+/- .005	+/- .005	+/- .005	+/- .005	+/- .005
Linear Expansion	%	0.40	0.40	0.2	0.2	0.30	0.40	0.40	0.35	-	-	-
Thickness Swell				0.030"	5.5%	5.5%	-	-	-	-	-	-
Length and Width	(in.)	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16	+/- 1/16
Square	(in.)	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8	+/- 1/8

\* **DURAFLAKE FR** (fire-rated) is a UL approved, Class A/Class 1 fire-rated particleboard for safety code and architectural specified projects. / **DURAFLAKE** particleboard is manufactured to strict quality control standards with recycled and recovered wood fiber. These products may contribute towards specific credits under the US Green Building Council (USGBC) Leadership in Energy & Environmental Design (LEED) criteria.

\*\* **DURAFLAKE MR** - Panels 9/16" and greater meet the ANSI MR10 specification for premium countertop grades with a thickness swell value of 5.5% or less (ASTM D 1037 24-hour water submersion).

- The above physical properties are based on target averages of individual production lots. Sampling for conformance to the above specifications must be done in accordance with the procedures described in the American National Standard for Particleboard. (ANSI A208.1 – 2016 section 6.2 Sampling for Acceptance)
- EPA TSCA Title VI certified – TPC 1.
- Complies with formaldehyde emission requirements for particleboard in CAN/CSA-0260-16, CPA-ECC-2011, ANSI A208.1-2016, and CCR 93120 (CARB Composite Wood ATCM Phase II).
- All panels are approved for interior, non-structural application.
- Contains Recycled/Recovered wood content.

### Storage and Handling

Particleboard products made by ARAUCO 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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