

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" 9.525 - 11.11mm | 1/2" - 9/16" 12.7 - 14.29mm | 5/8" - 3/4" 15.875 - 19.05mm |
| 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) | NA | 185 | NA | 225 | 202 | NA | 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 minimum allowable averages of individual production lots. Testing for conformance to the above specifications must be done in accordance with procedures described in the American National Standard for Particleboard (ANSI A208.1 2016 section 5.2 Sampling for Acceptance).
- Complies with formaldehyde emission requirements for Particleboard in CPA-ECC-2011, ANSI A208.1 2016 and CCR 93120.2 (CARB Composite Wood ATCM Phase II).
- All panels are approved for interior, non-structural application.
- Contains 100% 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.

