

Ideal for INDUSTRIAL END USES

DURAFLAKE Standard is ideal for industrial end uses including cabinets, fixtures and furniture components. Our construction process produces exceptionally smooth faces for a wide range of quality finishes.

DURAFLAKE STANDARD				
Albany, OR				
Thickness Range	(in.) (mm)	3/8" - 15 mm	5/8" - 1-1/8"	1-3/16" - 1-3/4"
Average MOR	(psi)	2,000	2,000	1,800
Average MOE	(psi)	350,000	350,000	325,000
Average Internal Bond	(psi)	80	80	70
Face Screw Hold	(lb)	250	250	230
Edge Screw Hold*	(lb.)	-	180	170
Thickness Tolerance	(in.)	+/- 0.005"	+/- 0.005"	+/- 0.005"
Length and Width	(in.)	+/- 1/16"	+/- 1/16"	+/- 1/16"
Squareness	(in.)	1/8"	1/8"	1/8"

- 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 208.1 - 2022 section 6.2 Sampling for Acceptance).
- EPA recognized and CARB approved Third Party Certifier TPC-1.
- EPA TSCA Title VI certified. Complies with CARB ATCM 93120, ANSI 208.1 - 2022, for formaldehyde emissions.
- 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.

Safety Data Sheets available online.

Note: *Edge Screw test is not performed on products less than 5/8" thick (per the ANSI standard).



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Optimal Product for SPECIFIED PROJECTS

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

ULEF options also include:

- Fire-Rated
- Door Core

LEED Qualifying Credits:

- MR 4 Recycled Content
- MR 5 Regional Materials
- MR 7 Certified Wood
- IEQ 4.4 Low-emitting Materials

DURAFLAKE VESTA ULEF							
Albany, OR							
		DURAFLAKE VESTA ULEF		DURAFLAKE VESTA DOOR CORE (LD-2) ULEF	DURAFLAKE VESTA FR* ULEF		
Thickness Range	(in.) (mm)	3/8" - 15 mm	5/8" - 1-1/8"	1-1/8" - 1-3/4"	3/8" - 15 mm	5/8" - 3/4"	7/8" - 1"
Average MOR	(psi)	1,950	1,950	406	1,600	1,600	1,450
Average MOE	(psi)	350,000	350,000	72,500	325,000	325,000	300,000
Average Internal Bond	(psi)	70	70	20	70	70	60
Face Screw Hold	(lb)	250	250	117	240	240	230
Edge Screw Hold*	(lb)	-	180	-	-	180	170
Thickness Tolerance	(in.)	+/- 0.005"	+/- 0.005"	+ 0.005" / - 0.015"	+/- 0.005"	+/- 0.005"	+/- 0.005"
Length and Width	(in.)	+/- 1/16"	+/- 1/16"	+/- 1/16"	+/- 1/16"	+/- 1/16"	+/- 1/16"
Squareness	(in.)	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"

* DURAFLAKE FR (fire-rated) is an Intertek Testing Services NA, Inc. approved, Class A/Class 1 fire-rated particleboard for safety code and architectural specified projects.

Usage Notes: Some laminates applied to DURAFLAKE® FR particleboard may change the flame spread rating. Standard available woodworking glues have been successfully used in lamination. However, some adhesives may have compatibility problems with the chemical system used to manufacture DURAFLAKE® FR particleboard. Any adhesive should be tested for compatibility with the chemical system in DURAFLAKE® FR particleboard prior to full-scale gluing. Questions should be directed to the glue supplier. When using DURAFLAKE® FR particleboard in wall systems, an integral vapor barrier must be a properly installed component of the wall in any of the following conditions: the wall has an exterior side and the wall separates spaces conditioned unequally. Joints between panels to be designed to accommodate movement of up to .40 percent. Splined or articulated joints for reveals per AWI Section 500, 500A-G-4 "Joints and Transitions" or similar is suggested. Wood veneers and other laminates should be tested for compatibility with DURAFLAKE® FR particleboard prior to use. Some wood veneers, laminates, and other types of products may have reactions to surface coatings and finishes, glues, pressing temperatures, moisture, contaminants, the chemical systems used to manufacture FR particleboard products, the failure to use UV inhibitors, or due to other causes. Reactions may include discoloration to veneer or laminate. ARAUCO is not responsible for discoloration or for claims associated with discoloration. Please contact your Sales Representative for more information. / 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.

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Safety Data Sheets available online.



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Exceptional for the **MOST CRITICAL PROJECTS**

DURAFLAKE Plus offers board construction that is perfectly designed for use in more demanding industrial applications such as the office furniture industry. This product delivers a unique strength-to-weight ratio creating exceptional machining and workability for the most critical projects.

DURAFLAKE PLUS				
Albany, OR				
Thickness Range	(in.) (mm)	3/8" - 15 mm	5/8" - 1-3/16"	1-1/4" - 1-3/4"
Average MOR	(psi)	2,400	2,400	2,100
Average MOE	(psi)	400,000	400,000	350,000
Average Internal Bond	(psi)	80	80	68
Face Screw Hold	(lb)	275	275	275
Edge Screw Hold*	(lb)	-	225	200
Thickness Tolerance	(in.)	+/- 0.005"	+/- 0.005"	+/- 0.005"
Length and Width	(in.)	+/- 1/16"	+/- 1/16"	+/- 1/16"
Squareness	(in.)	1/8"	1/8"	1/8"

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Outstanding Machinability **AND SMOOTH SURFACE**

DURAFLAKE Door Core is manufactured using construction processes and engineering standards which yield an exceptional lightweight panel that meets LD-2 ANSI standards for strength and durability.

DURAFLAKE VESTA ULEF is a specialty particleboard manufactured using an ultra-low emitting formaldehyde resin system.

DURAFLAKE Door Core panels feature outstanding machinability, smooth surface for lamination and a wide selection of thicknesses to suit your application.

DURAFLAKE DOOR CORE			
Albany, OR			
		LD-2	VESTA ULEF LD-2
Thickness Range	(in.)	1-1/8" - 1-3/4"	1-1/8" - 1-3/4"
Average MOR	(psi)	406	406
Average MOE	(psi)	72,500	72,500
Average Internal Bond	(psi)	20	20
Face Screw Hold	(lb)	117	117
Edge Screw Hold	(lb)	-	-
Thickness Tolerance	(in.)	+ 0.005" / - 0.015"	+ 0.005" / - 0.015"
Length and Width	(in.)	+/- 1/16"	+/- 1/16"
Squareness	(in.)	1/8"	1/8"

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