

# Grayling, Michigan ULTRA PARTICLEBOARD

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## SPECIFICATION SHEET

Particleboard from ARAUCO's Grayling, Michigan, plant is suitable for a variety of applications including cabinets, furniture, fixtures and general industrial applications.

### GRAYLING, MICHIGAN

		Ultra Custom, Ultra, Ultra Plus				Ultra M3**	
		Ultra Custom	Ultra PB		Ultra Plus	Ultra M3	
Thickness Range	in	0.375" - 1.375"	0.375" - 0.5"	> 0.5" - 1.5"	0.375" - 1.5"	0.375" - < 1"	> 1"
	mm	9 - 34.5	9 - 12.7	> 12.7 - 40	8 - 40	9.5 - 25.4	> 25.4
Average MOR	(psi)	1,500	1,900	1,900	2,200	2,393	2,393
Average MOE	(psi)	225,000	319,000	319,000	380,000	398,900	398,900
Average Internal Bond	(psi)	65	75	75	80	80	80
Face Screw Hold	(lb)	NA	225	225	225	247	247
Edge Screw Hold*	(lb)	NA	180	180	200	200	200
Thickness Tolerance	(in)	+/- .005	+/- .005	+/- .005	+/- .005	+/- .005	+/- .005
Linear Expansion	%	0.4	0.4	0.4	0.4	0.4	0.4
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

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

\*\*Ultra M3 meets ANSI A 208.1-2016 excluding edge screw withdrawal.

- Values represent mill targets to meet general requirements of ANSI A208.1-2016 Table A and Table B.
- EPA recognized and CARB approved Third Party Certifier TPC-1.
- EPA TSCA Title VI certified. Complies with CARB ATCM 93120, ANSI 208.1 - 2016, HUD 24 CFR, CAN/CSA - 0160 - 16 for formaldehyde emissions.
- 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.

Safety Data Sheets available online.

06/01/2020



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## Recycled Content Declaration

ARAUCO North America domestic composite panels are manufactured with recycled and/or recovered wood fiber and may help achieve credit in several programs where use of materials containing recycled content is recognized, such as the U.S. and Canadian Green Building Council (USGBC, CaGBC) Leadership in Energy & Environmental Design (LEED), Green Globes certification, SCS Recycled Content Certification, ANSI/BIFMA e3 Furniture Sustainability Standard, KCMA's Environmental Stewardship Program (ESP), and MDBC Cradle to Cradle® Certification Program.

The table below details recycle and recovered information by mill for wood raw material and composite panel products produced. Note that numbers provided are calculated mill averages (percent by weight) for all products made at that facility.

Mill	% Wood Raw Materials	% Other Components - Resin Solids, Other Additives	% Pre-consumer (Post-industrial) Recycle <sup>1</sup> in Wood Raw Materials	% Pre-consumer (Post-industrial) Recycle <sup>1</sup> in Panels	% Post-consumer Recycle <sup>1</sup> in Wood Raw Materials	% Post-consumer Recycle <sup>1</sup> in Panels	% Recovered <sup>2</sup> in Wood Raw Materials	% Recovered <sup>2</sup> in Panels	% Recycled/Recovered in Wood Raw Materials
Sault Ste. Marie, ONT (MDF)	87%	13%	99.81%	86.83%	0%	0%	0.19%	0.17%	100%
St. Stephen, NB (Fibrex® PB)	87%	13%	34.92%	30.38%	0%	0%	65.08%	56.62%	100%
Bennettsville SC (PB)	85%	15%	77.72%	66.06%	3.92%	3.33%	18.36%	15.61%	100%
Bennettsville, SC (MDF)	85%	15%	78.76%	66.95%	0.01%	0.01%	21.23%	18.05%	100%
Malvern AR (MDF)	85%	15%	96.97%	82.42%	0%	0%	3.03%	2.58%	100%
Albany, OR (PB)	87%	13%	99.01%	86.14%	0.89%	0.77%	0.10%	0.09%	100%
Eugene, OR (MDF)	84%	16%	100%	84%	0%	0%	0%	0%	100%
Moncure, NC (PB, MDF)	82%	18%	68.62%	56.27%	0.70%	0.57%	30.68%	25.16%	100%
Grayling, MI (PB)	84%	16%	38.80%	35.59%	0%	0%	61.20%	51.41%	100%

1. Recycled content meets definitions prescribed in International Organization of Standards document, ISO 14021 — Environmental labels and declarations — Self-declared environmental claims (Type II environmental labeling) as well as definitions prescribed in the Composite Panel Association's Eco-certified Composite (ECC) Sustainability Standard CPA 4-19
2. Recovered content meets definitions prescribed in the Composite Panel Association's Eco-Certified Composite (ECC) Sustainability Standard CPA 4-19

# Formaldehyde Emissions Grademark Certification Program

## **CERTIFICATE OF COMPLIANCE**



Composite Panel Association  
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

**ARAUCO NORTH AMERICA**  
**5851 ARAUCO RD, GRAYLING, MICHIGAN 49738**

Fulfills The Requirements Of:

EPA TSCA Title VI (40 CFR 770), CAN/CSA-0160-16, ANSI A208.1 and  
California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120

**SCOPE OF CERTIFICATION**  
Particleboard (IND)

**Mill 123**

*Certificate Issued: June 4, 2020  
To verify continued certification,  
visit [www.compositepanel.org](http://www.compositepanel.org)*

A handwritten signature in black ink, appearing to read 'Edgar Deomano', is positioned above the printed name and title.

Edgar Deomano  
Director of Certification and Inspection

# Formaldehyde Emissions Grademark Certification Program

## **CERTIFICATE OF COMPLIANCE**



Composite Panel Association  
19465 Deerfield Ave, Suite 306, Leesburg, VA 20176

Hereby Affirms That

**ARAUCO NORTH AMERICA**  
**657 BASELINE, SAULT STE MARIE, ONTARIO, CANADA P6A 5K6**

Fulfills The Requirements Of:

EPA TSCA Title VI (40 CFR 770), CAN/CSA-0160-16, ANSI A208.2 and  
California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120

### **SCOPE OF CERTIFICATION**

Medium Density Fiberboard (M24, M25 and M2F)  
Thin MDF (TM2)

#### **Mill 217**

*Certificate Issued: May 15, 2020*  
*To verify continued certification,*  
*visit [www.compositepanel.org](http://www.compositepanel.org)*

A handwritten signature in black ink, appearing to read 'Edgar Deomano', is written over a horizontal line.

Edgar Deomano  
Director of Certification and Inspection