

Build with Quality

Top Builders, Contractors and
Manufacturers Specify Potlatch Particleboard
for Building and Industrial Applications



Why, Top Builders, Contractors and Manufacturers Specify Potlatch Particleboard for Building and Industrial Applications



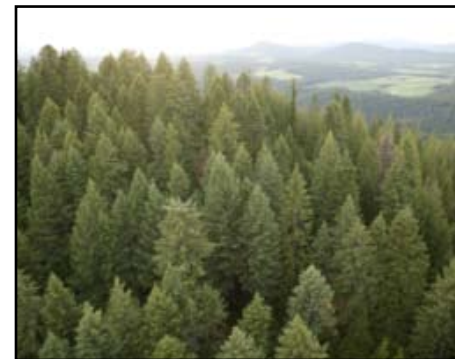
Surface Quality

Particleboard's smoothness and stability are critical to engineering integrity. Potlatch Particleboard is produced on state-of-the-art forming equipment that provides a superior surface offering better laminate adhesion. The white wood species mix allows for better color application where color-matching and consistency are important.



Workability

Potlatch Particleboard is produced from Pine, Douglas Fir, Larch and Hemlock – an ideal combination of inland wood species known for excellent machinability. This provides longer tool life and better profitability.



Consistency

Potlatch Particleboard is some of the most consistent particleboard available on the market. Our superior panel forming technology ensures high-quality, uniformly dense mats, square-corners and straight-lined edges. Every panel is finished using a unique fine-sanding system that guarantees precise surface and thickness standards.



Dependability

Every panel leaving our Post Falls manufacturing facility is guaranteed to meet the exacting standards of our Quality Process Control system. Our unsurpassed commitment to on-time shipment means you'll get your order when you need it. Whether you're using particleboard for furniture, as a laminate base for countertops, for subflooring or for other manufacturing, or industrial applications, Potlatch Particleboard is the right choice.

Potlatch Underlayment Grade PBU

With the absence of knotholes and voids, the solid, smooth surface of Potlatch Particleboard underlayment can help you avoid the problems normally associated with other substrate products, including delamination, yellowing and face defects.



Physical and Mechanical Properties

Potlatch Particleboard meets or exceeds ANSI A208.1-1999 standard for the following:

Units	Underlayment Grade (PBU) Imperial (Metric)	Industrial Grade (M1) Imperial (Metric)	Industrial Grade (M2) Imperial (Metric)	Industrial grade (M-3) Imperial (Metric)
Density	43.0#/cu.ft. (689kg/m3)	43.0#/cu.ft. (689kg/m3)	44-46#/cu.ft. (705-737kg/m3)	45-47#/cu.ft. (721-753kg/m3)
Modulus of Rupture	1595 p.s.i. (11N/mm2)	1595 p.s.i. (11N/mm2)	2103 p.s.i. (14.5N/mm2)	2393 p.s.i. (16.5N/mm2)
Modulus of Elasticity	250200 p.s.i. (1725 N/mm2)	250200 p.s.i. (1725 N/mm2)	326300 p.s.i. (2250 N/mm2)	398900 p.s.i. (2750 N/mm2)
Internal Bond	58 p.s.i. (0.40 N/mm2)	58 p.s.i. (0.40 N/mm2)	65 p.s.i. (45N/mm2)	80 p.s.i. 0.55N/mm2)
Linear Expansion	0.35% Max Avg.	0.35% Max Avg.	0.35% Max Avg.	0.35% Max Avg.
Hardness (Janka Ball)	500 pounds (2225 N)	500 pounds (2225 N)	500 pounds (2225 N)	500 pounds (2225 N)
Thickness Tolerances				
Panel Average from Specified	±0.015 inch (±0.375mm)	±0.010 inch. (±0.250mm)	±0.008 inch. (±0.200mm)	±0.008 inch (±0.200mm)
Variance from Panel Average	±0.010 inch (±0.250mm)	±0.005 inch. (±0.125mm)	±0.004 inch (±0.100mm)	±0.004 inch (±0.100mm)
Dimensional Tolerances				
Length Tolerances	+0 (+0)	+0.080 inch (+2.0mm)	+0.080 inch (+2.0mm)	+0.080 inch (+2.0mm)
Width Tolerances	-0.160 (-4.00mm)	-0.080 inch (-2.0mm)	-0.080 inch (-2.0 mm)	-0.080 inch (-2.0 mm)
Screw Holding				
Face	No Standard	No Standard	225 pounds (1000 N)	247 pounds (1100 N)
Edge	No Standard	No Standard	202 pounds (900 N)	225 pounds (1000 N)

Product Information

Mill Numbers: CPA # 045

Specie Mix: All inland softwood species heavy to Pine

Grades: Industrial Grade (M1, M2, M3)

Underlayment Grade (PBU)

Size: Industrial Grade (49" x 97")

Underlayment Grade (48" x 96")

Thickness: 1/4, 3/8, 7/16, 15/32, 1/2, 5/8, 11/16, 3/4, 7/8, 1, 1-1/8

Plant Location
401 N. Potlatch Road
Post Falls, ID 83854

Shipping Information

Rail Service: BN

Trucks: Flatbeds

Loading Hours: Monday through Friday: 7AM to 2:30 PM

Unit sizes and Weights:

	Industrial		Underlayment		
	pcs	weight	pcs	weight	
1/4	120	1040# MSF			
3/8	70	1569# MSF	3/8	80	1428# MSF
7/16	60	1719# MSF			
15/32	55	1782# MSF			
1/2	50	2069# MSF	1/2	60	1872# MSF
5/8	40	2484# MSF	5/8	50	2346# MSF
11/16	38	2844# MSF			
3/4	35	2988# MSF	3/4	40	2785# MSF
1	26	4140# MSF			
1-1/8	23	4570# MSF			