



**RAISING THE EXPECTATION FOR INNOVATIVE
WOOD CORE AND WOOD PANEL PRODUCTS
IN NORTH AMERICA AND
GLOBAL MARKETS**





ABOUT NEUCOR

NEUCOR IS A GREEN BUSINESS

Neucor is committed to sustainable business practices that acknowledge the finite availability of resources and cost reductions attained through use of renewable post-industrial residuals.

Advanced wood product manufacturing practices promote forest health and reduce wildfire fuel, thereby conserving prime forest environments for multiples uses and watershed protection, as well as supporting GHG sequestration without added cost.

INNOVATIVE TECHNOLOGY

Neucor's 14 awarded patents span North America and nine countries in Asia and Europe. A manufacturing process patent pending enables pristine operation with regards to emission of hazardous air pollutants (HAPs).

Product performance is similar to traditional medium density fiberboard (MDF) and Particleboard (PB) at 1/3-2/3 the weight, and panel thicknesses ranging from 3/4" to 4".

MANAGEMENT TEAM

The **Neucor** team has more than 35 years experience in the technical and operating aspects of the engineered wood composites industry. The company has collaborative product development relationships with leading companies in the industry as well as centers of academic excellence at Washington State University Composite Materials and Engineering Center and Oregon State University Green Building Materials Laboratory.

MANUFACTURING FACILITY

Neucor's manufacturing facility has two press lines capable of producing 140 million square feet of product annually. The factory comprises 174,000 square feet on 114 acres in central Washington State.



WHITE SWAN PLANT

neucor™ is produced with pride in a modern manufacturing facility in central Washington State, 25 miles southwest of Yakima. Originally built in 1984, the plant has been expanded and modernized to a current capacity of 140 million square feet per year. Our raw material is locally sourced post-industrial waste from local veneer and sawmill operations, further reducing **Neucor's** impact on the environment.

neucor™ is committed to continuous improvement through utilization of the latest manufacturing technology, choosing high-quality precision equipment, and investment in the knowledge and skills of our people. An unwavering attention to detail throughout the manufacturing process will ensure our customers' expectations are met.

MANUFACTURING PROCESS

neucor™ employs a low fixed cost, lean variable-cost operating methodology to provide a well priced product while being competitive in the marketplace. The production of **Neucor** cores (**neucor™**) utilizes wood byproducts as our core raw material. **Neucor** cores are made of a proprietary blend of wood fibers, sawdust, and formaldehyde free resin (pmdi). This proprietary blend is then pressed in **Neucor's** patented mold design to create our unique and lightweight cores.

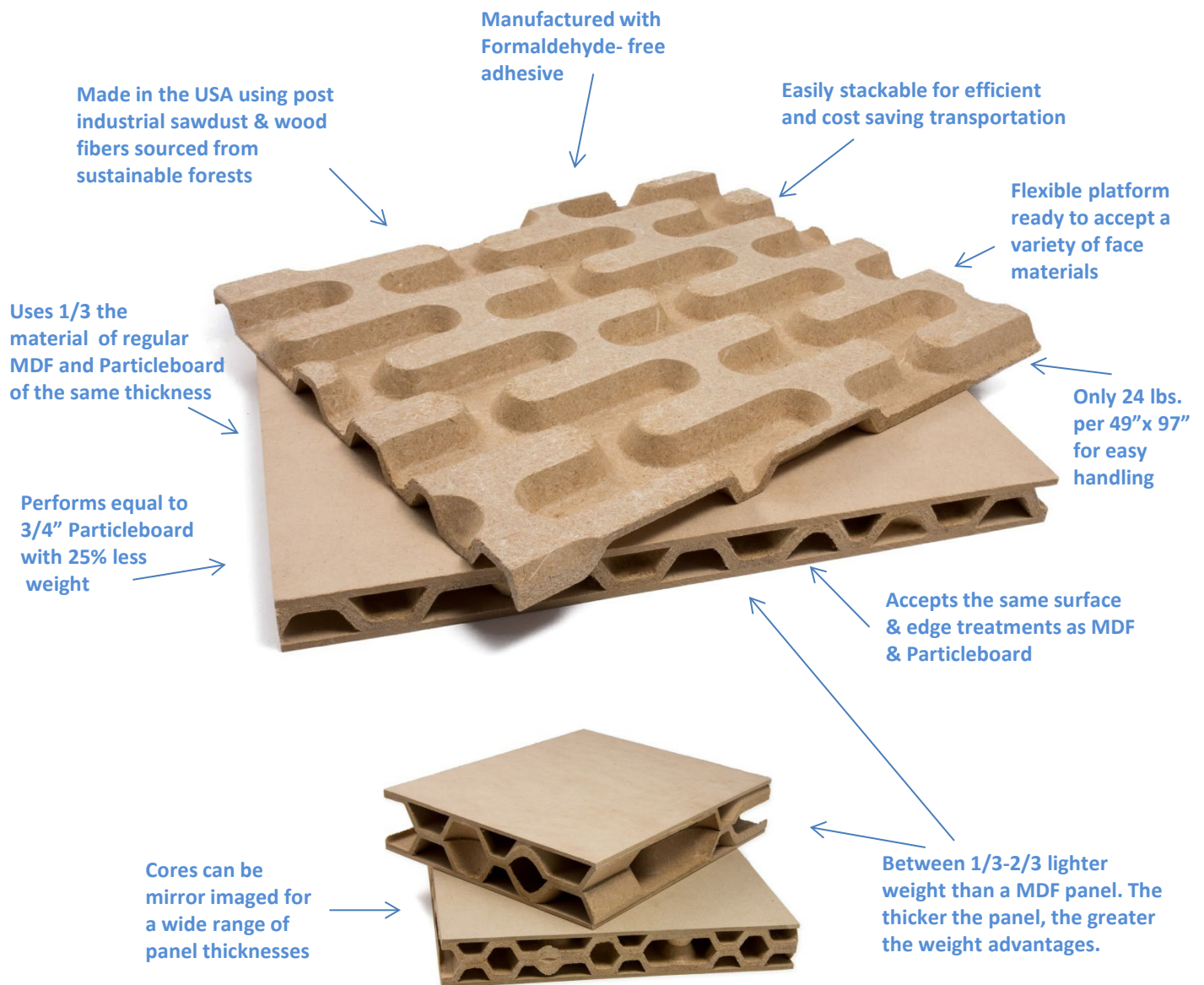


NEUCOR LIGHTWEIGHT PRODUCTS

neucor™ currently manufactures lightweight MDF cores and panels for use in a multitude of interior applications including store fixtures, contract and residential furniture, walls and partitions, ceiling panels, acoustical panels, shelving, and cabinetry.

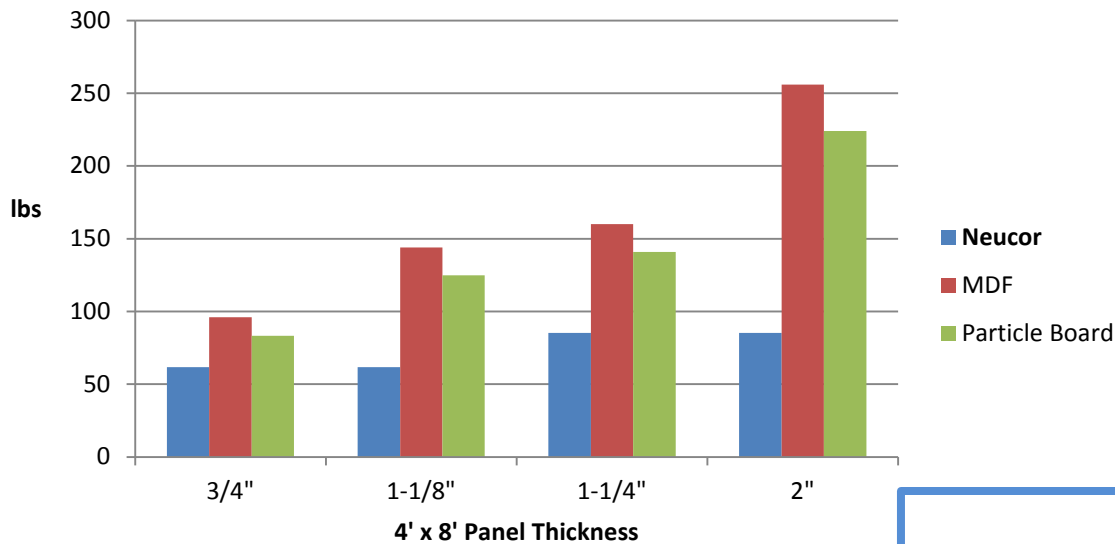
Stacking of **neucor™** cores allows for panel thicknesses ranging from $\frac{3}{4}$ " to 4".

neucor™ cores create panels that are $\frac{1}{3}$ - $\frac{2}{3}$ lighter weight than traditional MDF products. Alternate wood or decorative face veneers can be used as well as unfinished MDF faces.



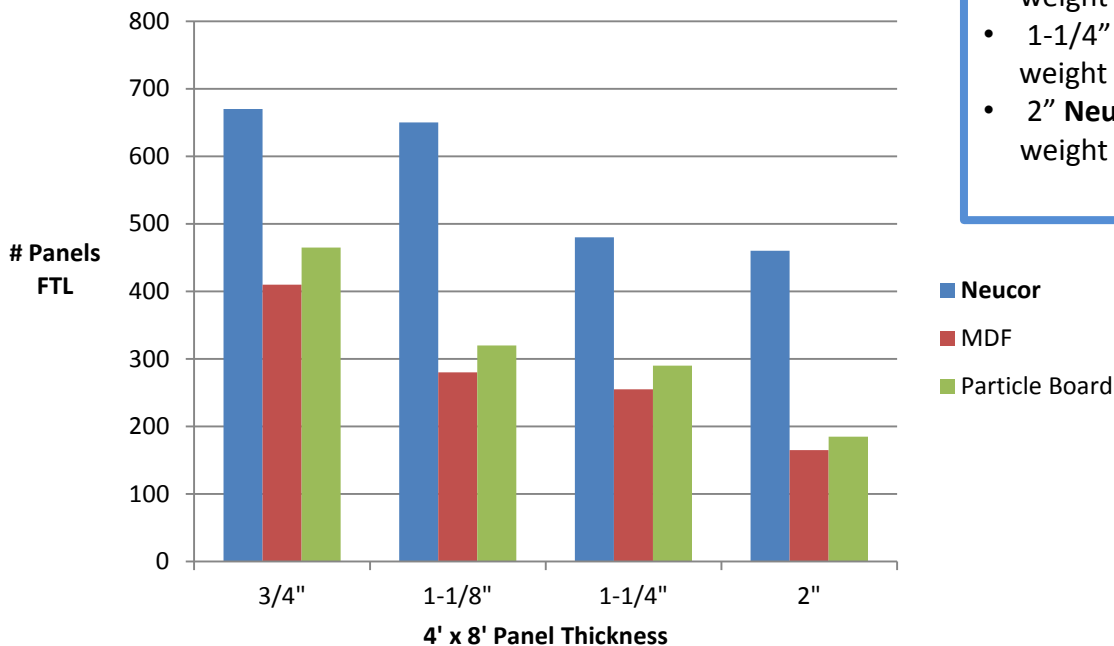
WEIGHT ADVANTAGES

Weight Comparison



- 3/4" **Neucor** is 35% lighter weight than standard MDF.
- 1-1/8" **Neucor** is 57% lighter weight than standard MDF.
- 1-1/4" **Neucor** is 46% lighter weight than standard MDF.
- 2" **Neucor** is 66% lighter weight than standard MDF.

Shipping Quantities Comparison



The nesting design of **Neucor** Cores allow for 1716+ sheets of either the 1/2" core or the 7/8" core to be shipped on a FTL.



FEATURED LIGHTWEIGHT PRODUCTS



.500 CORE

- C0500S1 1/2" Core

The .500 Core and .875 Core are both manufactured with a mirror image so the cores can be stacked to produce a wide range of panel thicknesses.



.875 CORE

- C0875S1 7/8" Core



3/4" PANEL

- P0750S1
1/2" Core w/ 1/8" MDF faces



1-1/8" PANEL

- P1125S1
7/8" Core w/ 1/8" MDF faces



1-1/4" PANEL

- P1250S2
(2) 1/2" Cores w/ 1/8" MDF faces



2" PANEL

- P20000S2
(2) 7/8" Cores w/ 1/8" MDF faces

ADDITIONAL PRODUCT INFORMATION

Neucor Panels can currently be manufactured in panel thicknesses ranging from ¾" to 4".

Neucor can be faced with MDF skin thicknesses ranging from 3mm (1/8") to 8mm (5/16").

Neucor can be faced with raw MDF, wood veneers and decorative laminates. **Neucor's** decorative laminates are currently sourced from Colledgewood Inc.

Neucor Panels come in standard sizes of 49"x97" and 48"x96" but can be made as large as 61"x 145".

Neucor Cores and Panels are CARB2 compliant. NAF is available upon request.



Colledgewood



PRODUCTS IN DEVELOPMENT



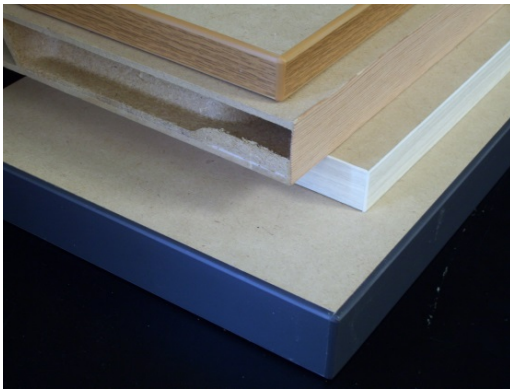
CUT- TO- SIZE

Shelving, tabletops, small panels, and more.



FR CORE & PANEL PRODUCTS

Panels and cores that can be coated or Internally FR-treated during the manufacturing process.



EDGE- BANDED PRODUCTS

A variety of edge-banding treatments can be applied. Currently this is not performed on site.



STRUCTURAL STRANDED PANELS

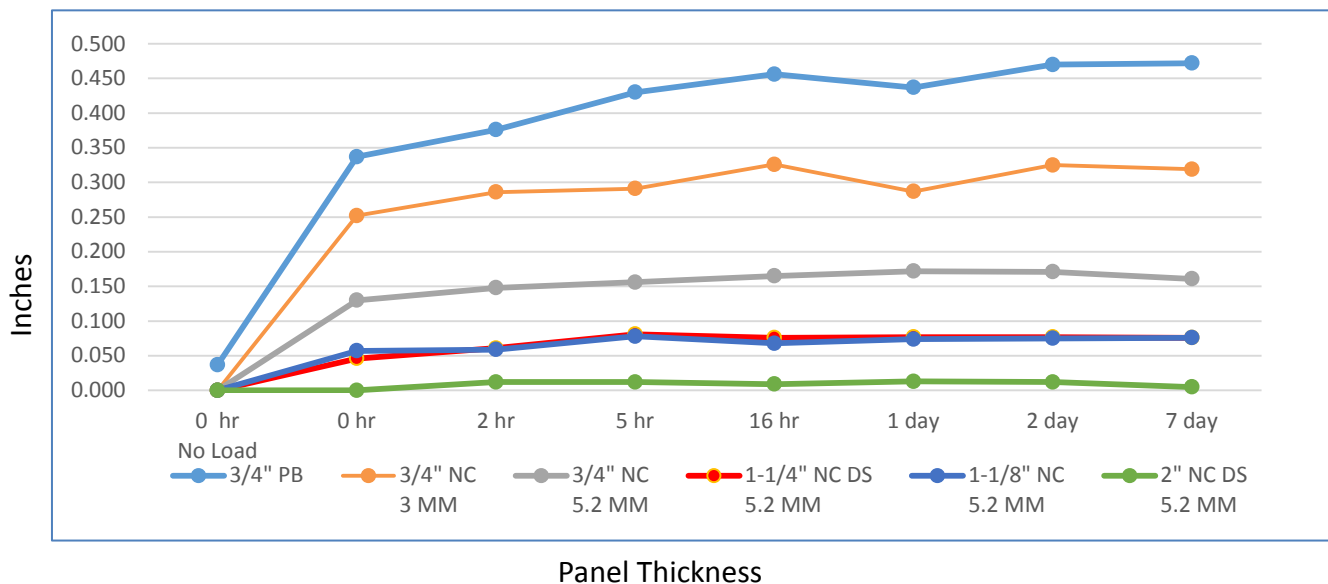
Performance-rated grades suitable for construction applications.

TECHNICAL SPECIFICATIONS

NEUCOR CORES							
NEUCOR CORES are made with NAF resin				NEUCOR CORES are exempt from CARB ATCM 93120			
Standard Width & Length - 49" X 97"				Width & Length Tolerance $\pm 1/16"$			
Squareness $\pm 1/8"$		Thickness Tolerance $\pm 0.005"$			Thickness Swell $\leq 12\%$		
Available NEUCOR CORES		1/2"			7/8"		
Thickness (in)		0.500"			0.875"		
Weight (lbs)		23.5			23.5		
Flat Crush (psi)		300			150		

NEUCOR PANELS									
All surface materials used in NEUCOR PANELS are CARB compliant, NAF available on request.									
Standard Width & Length - 49" X 97"					Width & Length Tolerance $\pm 1/16"$				
Squareness $\pm 1/8"$		Thickness Tolerance $\pm 0.005"$			Thickness Swell $\leq 12\%$				
Thickness (in)	MOE (psi)		MOR (psi)		Flat Crush		Weight (lbs)		Density (lbs/ft ³)
3/4	350,000		2,100		300		62.2		30.1
1	350,000		2,100		300		100.3		36.5
1 1/8	350,000		2,100		150		62.2		20.1
1 1/4	350,000		2,100		150		86.2		25
1 1/2	350,000		2,100		300		124.3		30.1
2	350,000		2,100		150		86.2		15.7
3	350,000		2,100		150		129.2		15.7

DEFLECTION DATA



www.neucorpanels.com

PO Box 699
3592 Wesley Rd.
White Swan, WA 98952

Toll free: 866.neucor1
866.638.2671
info@neucorpanels.com
info

