

# MDP® Novopan CARB

Novopan **MDP** brand is a new generation of PARTICLE board. It is the result continuous press technology, modern forming stations and advanced control software.

**Panel sizes:** · 49" x 73" (1.245 x 1.854 m) 4x6 ft · 49" x 120" (1.245 x 3.05 m) 4x10 ft  
 · 49" x 97" (1.245 x 2.465 m) 4x8 ft · 61" x 97" (1.55 x 2.465 m) 5x8 ft  
 · 49" x 109" (1.245 x 2.77 m) 4x9 ft · 84" x 96" (2.14 x 2.44 m) 7x8 ft

**Thickness:** · 5/32" - 1' -1/2" (4.0 mm - 38.1 mm)

## Use and Applications

- Ceilings
- Wall cladding
- Modular divisions
- Drawer backgrounds
- Painted furniture
- Wall panels
- Home and Office furniture
- Cinema's paneling
- Theater's paneling
- Speakers
- Display panels
- Flooring
- Cabinets and fixtures

## Characteristic and Advantages

High density of external layers, ensuring a superior finish in printing, painting, lacquering and coating processes. Particles homogeneity and great uniformity of the outer and inner layers. Use of selected woods from planted, economically and ecologically sustainable forests. Complies with EPA TSCA Title VI (40 C.F.R §770.10) and CARB ATCM 93120.2(a) Phase 2. Third Party Certifier: TPC-2.

Surface ready to paint and lacquer. Reduction of costs in painting processes. Board 100% free of impurities. Less moisture absorption. Cleaner cuts. High density surface. Better screw hold. All panels are approved for interior, non-structural application. Contain Recycled/Recovered wood content. Provides exceptional surface for lamination.



**Humidity:** **MDP** is a product for indoor use only, therefore it should not be used in places exposed to the direct contact with water or in environments with excessive humidity (value over 75%).



**Heat:** avoid placing **MDP** next to heat sources, such as non-built-in fireplaces or environmental heaters, or in other places where the temperature exceeds 50° C.



**Decay:** Under normal conditions of humidity, temperature and ventilation (55-60% humidity and 20-25° C), **MDP** will not develop fungi that could compromise the properties of the product.



**Insects:** the materials used for fabrication (resins, preservatives, etc.) constitute an effective impediment to the attack of most insects, such as termites, it is advisable to protect the board with recommended coating.

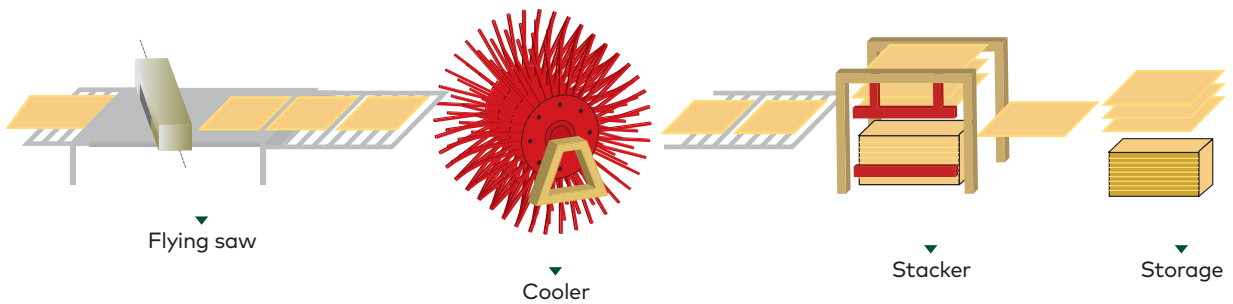
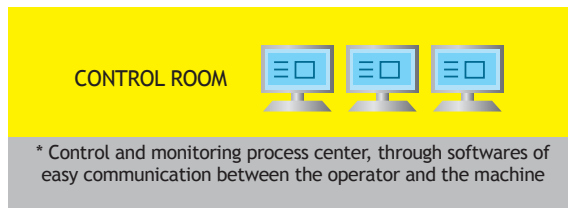
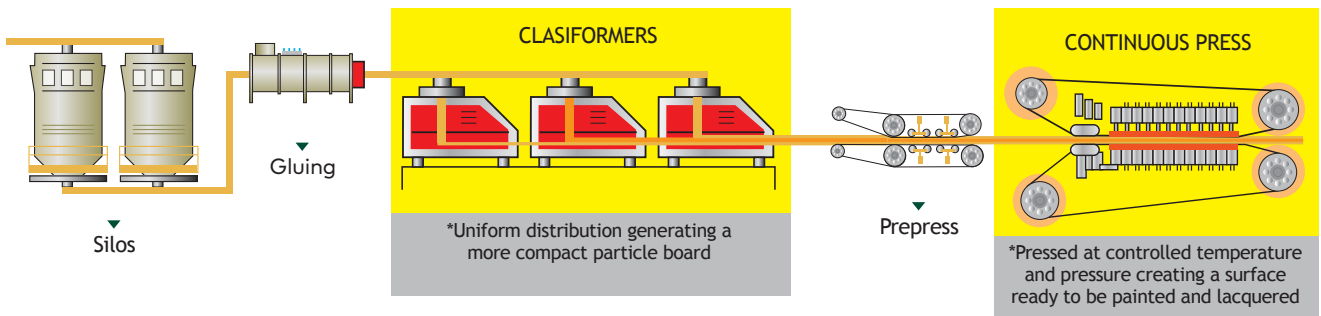
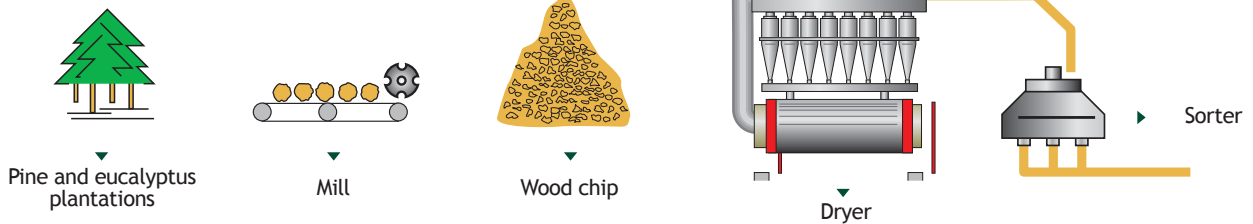
## Physical & Mechanical Properties

Thickness range (+/- 0.3 mm)	< 9.0	9.0 - 9.5	12.0 - 12.7		15.0 - 15.9		17.5 - 19.0		25.0 - 26.0	28.6 - 30.0	36.0 - 38.1
			LIGHT	INDUSTR	LIGHT	INDUSTR	LIGHT	INDUSTR			
<b>Parameters</b>											
Density (kg/m³) +/-5%	740	700	650	680	640	670	630	660	620	600	500
MOR (kgf/cm²) min	143	133	133	133	133	133	133	133	117	117	70
MOE (N/mm²)	2800	2500	2400	2400	2000	2000	2000	2000	1800	1800	1200
IB (kgf/cm²) min	6.0	5.5	5.0	5.6	4.4	5.0	3.6	4.0	3.6	3.0	2.0
Face screw hold (kgf) min	NA	NA	NA	NA	90	92	90	92	90	90	80
Edge screw hold (kgf) min	NA	NA	NA	NA	80	82	80	82	80	80	60
Formaldehyde emission (ppm)	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II	CARB II

Swilling  
 Longitudinal warping  
 Maximum difference between diagonals  
 Tolerance in measurements  
 Board moisture in factory

2h max. 10%  
 max. 5/16"  
 +/- 1/25"x3.28 ft  
 +/- 1/25"x3.28 ft  
 12% max

# MDP® Novopan MANUFACTURING PROCESS



\*Differentiating process  
High technology

**Certificaciones:**



**NOVOPAN**  
PANELES DE MADERA

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