



West Fraser MDF

West Fraser operates two Medium Density Fibreboard (MDF) plants, Ranger Board & WestPine, located in Western Canada. West Fraser's sawmill operations provide the majority of the raw material for our MDF panels. This enables us to maintain a constant supply of SPF fibre, and deliver the most consistent quality panel on the market. Our facilities utilize state of the art equipment and controls to ensure our MDF panels meet the strictest of quality control standards.



West Fraser MDF panels are composed of 100% western white softwoods, which results in a consistent light sandy colour. The purity and long fibres associated with this material allow for deep, detailed profiling and smooth machining, for efficient and superior finishing. This light sandy coloured fibre also results in reduced colour show-through when painting or laminating, longer tool life, and a beautiful finish.

Please contact us at:
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Environmental Policy:

West Fraser Timber Co. Ltd. commits itself to conducting its business in an environmentally, socially and economically responsible manner. Responsible stewardship of the environment, sustainable forest management and the protection of the health and safety of its employees, its customers and the public are the hallmarks of this commitment. We have adopted a philosophy of continual improvement of our forest practices and manufacturing procedures in order to optimize the use of resources, and to minimize or eliminate the impact of our operations on the environment.





West Pine



As Canada's first MDF mill built in 1986, Ranger set the bar high for consistent, high quality MDF, and continues to do so today.

Drawing on West Fraser's strength in Western Canadian softwood fibre supply and a talented and experienced production team, Ranger MDF is well known for its machining and painting capabilities.

Ranger's 6'x24' multi-opening press enables the production of a wide range of sizes and densities from 3/8" through 1-1/2" thick, and widths of 1' through 6'.

When choosing an MDF supplier your business can count on, don't just ask for MDF... ask for Ranger.

WestPine is one of the world's most versatile MDF plants, and was the first in North America to produce MDF with 100% No Added Formaldehyde (NAF) resin.

Equipped with a 10' wide continuous Dieffenbacher press, panels range from 2.5mm to 3/4" thick, 4' to 5' in width, and are available in standard and custom lengths.

As a result of its light sandy colour, WestPine MDF is a premium quality panel that is excellent for laminating, painting, and machining applications.



Platinum

Platinum Specs	
Density:	50 pcf
Internal Bond:	175 psi
Modulus of Rupture:	6,000 psi
Modulus of Elasticity:	600,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"

Specs based on 3/4"

When customers depend on your business, depend on **Platinum**.

Specifically engineered to put performance first, **Platinum** allows for the deepest, most crisp profiles and finer detailing than any panel found on the market today.

Platinum's uniform core machines with less fibre tear-out for smooth profiles that require little or no sanding and a surface that absorbs significantly less paint. With increased density and maximum refining through our dual in-line refiners, this product is only available in limited quantities on each production run.

Spend less time sanding and reworking panels, and get the most out of your production with **Platinum**, where quality is the top priority.



Premium Plus

Premium Plus Specs	
Density:	49 pcf
Internal Bond:	140 psi
Modulus of Rupture:	5,000 psi
Modulus of Elasticity:	500,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"

Specs based on 3/4"

Premium Plus is a step up from **Premium** with a higher density and internal bond strength for the jobs that require a little more attention to detail.

Clean cuts and a smooth finish are you what you can expect from **Premium Plus**.

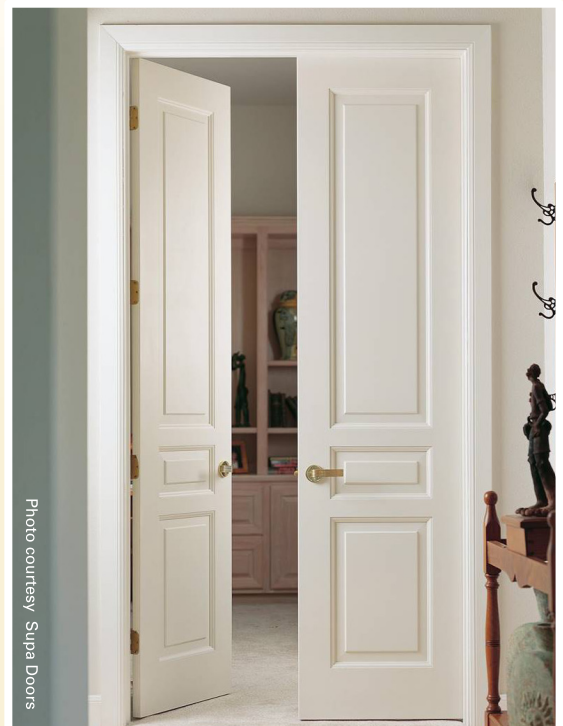


Photo courtesy/ Supa Doors



Premium

Premium Specs	
Density:	47 pcf
Internal Bond:	110 psi
Modulus of Rupture:	4,500 psi
Modulus of Elasticity:	450,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"

Specs based on 3/4"

The best businesses build with us; we take pride in the fact that our competitors consider Ranger **Premium** MDF as the standard they strive to achieve.

We've made it our responsibility to lead the industry in quality, reliability and service excellence. It's a reputation our customers have come to expect, and it's the reason Ranger **Premium** is our number one selling product.

Throughout North America, Ranger **Premium** has built a reputation for high quality panels, at a competitive price.



Standard

Standard Specs	
Density:	46 pcf
Internal Bond:	95 psi
Modulus of Rupture:	4,000 psi
Modulus of Elasticity:	400,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"

Specs based on 3/4"

Ranger **Standard** is a lower cost alternative to **Premium**.

Drawing on the same high quality fibre supply as our **Premium** grade, with a slightly lower density and internal bond strength, **Standard** is an excellent choice for paint, lamination, and retail applications due to its excellent surface quality.

Standard is not intended for deep profiling or heavy machining applications.





E1LS Powder Coating

E1LS Specs	
Density:	47 pcf
Internal Bond:	110 psi
Modulus of Rupture:	4,500 psi
Modulus of Elasticity:	450,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"
Lower shive count (visible fibre fragments)	

Specs based on 3/4"

Ranger **E1LS** is a specialty MDF panel manufactured using extra refined fibre resulting in less shives that is perfect for your powder coating needs.

Ranger **E1LS** panels are specifically engineered to have high quality, uniform consistency, and a very homogenous surface which allows for increased design flexibility when powder coating products.

As customers demand more rounded shapes and contoured edges for their powder coated products, Ranger **E1LS** panels will help you meet your customer's product requirements.



Photo by Sarah Guest



Photo by BDT Powder Coating

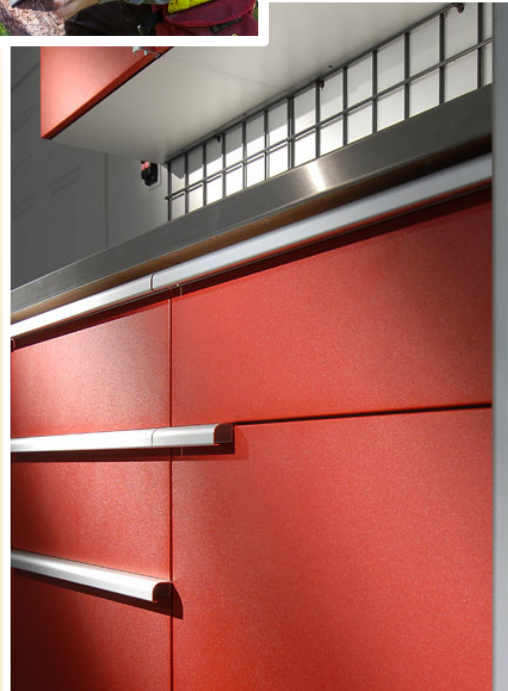


Photo by BDT Powder Coating

EcoGold

Thin

EcoGold Specs		
Based on:	1/4"	3/4"
Density:	49.5 pcf	46.5 pcf
Internal Bond:	130 psi	130 psi
Modulus of Rupture:	5,000 psi	5,000 psi
Modulus of Elasticity:	400,000 psi	400,000 psi
Sanded Finish:	150 Grit	150 Grit
Thickness Tolerance:	+/- 0.005"	+/- 0.005"

Thin Specs	
Density:	50.5 pcf
Internal Bond:	130 psi
Modulus of Rupture:	5,000 psi
Modulus of Elasticity:	315,000 psi
Sanded Finish:	150 Grit
Thickness Tolerance:	+/- 0.005"

Specs based on 3mm

WestPine **EcoGold** is Western North America's premier supplier of no added formaldehyde (NAF) MDF panels.

EcoGold meets the needs of today's customers, and performs to the environmental standards they require.

EcoGold is ideal for projects where strength, durability, and flexibility are important.

Whether it's a large building project or fine routing for retail cabinets, **EcoGold** is the panel that can help you exceed your customer's expectations.

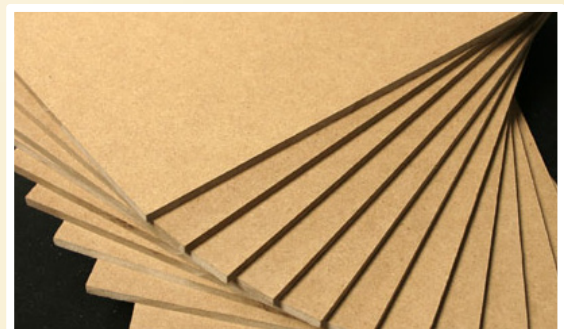
Thin MDF offers a versatile product in a wide range of thicknesses, widths and lengths. Our **Thin** MDF is light in colour and uniform in appearance, providing an excellent substrate for lamination, primer and paint.

EcoGold Thin MDF has become the preferred product in melamine, veneer and roll lamination.

Ideal Applications include:

- Wall paneling
- Door facings
- Drawer bottoms
- Cross-banding
- Case-goods
- Store fixtures
- Roll lamination
- Packaging
- Furniture components
- Cabinet backs

All WestPine **Thin** MDF is available under the **EcoGold** label. This No Added Formaldehyde product exceeds all emission standards in North America, and is 100% CARB Exempt.



EcoHD

EcoPlus MR50 (Moisture Resistant)

EcoHD Specs	
Density:	55 pcf
Internal Bond:	200 psi
Modulus of Rupture:	7,500 psi
Modulus of Elasticity:	550,000 psi
Sanded Finish:	120 Grit
Thickness Tolerance:	+/- 0.005"

EcoPlus MR50 Specs		
Based on:	1/4"	5/8"-3/4"
Density (lb/cu ft):	55 pcf	46.5 pcf
Internal Bond:	200 psi	130 psi
Modulus of Rupture:	7,500 psi	5,000 psi
Modulus of Elasticity:	550,000 psi	400,000 psi
Sanded Finish	150 Grit	150 Grit
Thickness Tolerance:	+/- 0.005"	+/- 0.005"

Specs based on 4.76mm

For the most highly demanding thin board applications, choose **EcoHD**.

Designed specifically for use as cross-bands in the hardwood plywood industry, **EcoHD** is proven to stand up to the most demanding applications. For thin panel requirements that go beyond standard lamination, paint or A-Grade requirements, the step up to **EcoHD** is the clear choice.

At WestPine, very stringent quality controls are in place to ensure an exceptional thickness tolerance that is key in many veneer and other layup processes.

Increased face and core density along with increased internal bond, produce the strongest and most stable thin panel we offer.



Do you have an MDF application that demands high performance in humid environments? If so, **EcoPlus MR50** moisture resistant MDF is your solution. The newest product in West Fraser's MDF line up, **EcoPlus MR50** meets or exceeds the requirements defined in ANSI **MR50**, and is specifically designed to perform in non-structural interior applications where humidity may be a concern.

EcoPlus MR50 provides:

- ECC certified panels made from 100% no added formaldehyde resin (NAF), and 100% recycled fibre.
- Ultra-low emissions – CARB exempt.
- Available in a variety of thicknesses.
- Using these products earns green project points.
- High quality resulting in superior stability and machining properties - Ideal for use in kitchens, bathrooms, restaurants, and health/child care facilities.

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