

ULTRALITE **mdf**



PRODUCT DESCRIPTION

Uniboard® Ultralite MDF is manufactured using 100% softwood fibers, resulting in a lightweight, workable panel with a light, uniform and natural looking colour.

Uniboard Ultralite MDF offers the stability and excellent surface smoothness of regular MDF with additional user benefits. It weighs $\frac{1}{3}$ less than standard MDF and has an average density of 33 lb/ft³*. It is sanded at 150 grit, resulting in a superior smooth surface. It also offers reduced tool wear and complements applications where a lighter weight is required. Uniboard Ultralite MDF is easy to paint, making it ideal for the production of high quality surface finishes and also provides a uniform substrate for lamination.

This product is offered in lift quantities in a standard North American 4' x 8' panel size in four thicknesses, and is designed for easy handling. Alternative sizes and FSC® certified panels are also available upon request. Uniboard ultralight MDF panels are sanded to 150 grits.

Uniboard Ultralite MDF is produced at Uniboard's world-class MDF mill located in Mont-Laurier, Quebec and is part of Uniboard's high performance MDF product range.



IDEAL APPLICATIONS

Uniboard's Ultralite MDF is excellent for applications such as:

- Recreational vehicles/mobile home components
- TV, theatre and film stage sets
- Lightweight mouldings
- Wrapped mouldings and picture frames
- Wall partitions
- Point-of-purchase, trade show and exhibition display stands
- Cabinetry components
- Lamination and painting

ULTRALITE mdf TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUE*		ANSI A208.2-2016	
	Metric	Imperial	Metric	Imperial
Density	525 kg/m ³	33 lb/ft ³	not specified	
Internal Bond	0.49 N/mm ²	71 psi	0.47 N/mm ²	68 psi
Modulus of Rupture	15 N/mm ²	2,176 psi	12.4 N/mm ²	1,800 psi
Modulus of Elasticity	2,150 N/mm ²	311,831 psi	1,241 N/mm ²	180,000 psi
Screw Holding, Face (≥ 3/8")	540 N	121 lb	703 N	158 lb
Screw Holding, Edge (≥ 5/8")	601 N	135 lb	601 N	135 lb
Moisture Content	4-6%		≤ 9%	
Thickness Tolerance - From Specified Thickness	± 0.125 mm	± 0.005 in	± 0.125 mm	± 0.005 in
Thickness Tolerance - From Panel Average	± 0.125 mm	± 0.005 in	± 0.125 mm	± 0.005 in
Length/Width	± 2.0 mm	± 0.080 in	± 2.0 mm	± 0.080 in
Linear Expansion	≤ 0.33%		≤ 0.33%	
Flame Spread			Class C	
Smoke Development			Class C	

* Typical values measured at the Mont-Laurier mill based on 18mm thickness

* Available in 49" x 97" panels in 12mm, 15mm, 18mm and 25mm thicknesses. Other sizes and thicknesses are available upon request, subject to minimum order quantities.

* FSC® certified panels are available upon request, subject to minimum order quantities.



FORMALDEHYDE EMISSIONS GRADEMARK CERTIFICATION PROGRAM

Uniboard fulfills the requirements of EPA TSCA Title VI (40 CFR 770) and/or CARB 2, CAN/CSA-01 60-16, ANSI A208.1 and California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120.



ECO-CERTIFIED COMPOSITE (ECC) CERTIFICATION



FSC® CERTIFICATION

Uniboard is FSC® (Forest Stewardship Council®) certified for chain of custody by the Rainforest Alliance.

FSC® certified panels are available upon request.



LEED® CONTRIBUTION

Please refer to our Documentation Center at www.uniboard.com for current information regarding sustainable development and LEED point credits.



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