

Excel S

Technical Specifications

Properties	Typical Value*				ANSI A208.2-2016 (Grade 130)	
	< 9.53 mm (< 3/8")		9.53-12.7 mm (3/8"-1/2")		Metric	Imperial
	Metric	Imperial	Metric	Imperial		
Internal Bond	0.94 N/mm ²	136 psi	0.70 N/mm ²	102 psi	0.54 N/mm ²	78 psi
MOR	29.4 N/mm ²	4,260 psi	24.8 N/mm ²	3,600 psi	21.6 N/mm ²	3,130 psi
MOE	3,850 N/mm ²	558,400 psi	3,440 N/mm ²	499,000 psi	2,160 N/mm ²	313,000 psi
Moisture Content	4-6%		4-6%		≤ 9%	

Excel

Technical Specifications

Properties	Typical Value*				ANSI A208.2-2016 (Grade 130)	
	15.88-19.05 mm (5/8"-3/4")		≥ 22.23 mm (≥ 7/8")		Metric	Imperial
	Metric	Imperial	Metric	Imperial		
Internal Bond	0.75 N/mm ²	109 psi	0.62 N/mm ²	90 psi	0.54 N/mm ²	78 psi
MOR	24.3 N/mm ²	3,525 psi	22.1 N/mm ²	3,200 psi	21.6 N/mm ²	3,130 psi
MOE	3,350 N/mm ²	486,000 psi	3,125 N/mm ²	453,000 psi	2,160 N/mm ²	313,000 psi
Screw Holding:						
Face (≥ 3/8")	1,140 N	256 lb	1,080 N	243 lb	988 N	222 lb
Edge (≥ 5/8")	1,095 N	246 lb	965 N	217 lb	787 N	177 lb
Moisture Content	4-6%		4-6%		≤ 9%	

Thickness Tolerance:	Metric	Imperial
from specified thickness	± 0.125 mm	± 0.005 in
from panel average	± 0.125 mm	± 0.005 in
Length/Width	± 2.0 mm	± 0.080 in
Linear Expansion	≤ 0,33%	

All-purpose. Perfect for industrial applications, such as lamination and painting. Broad range of thicknesses available. Excel S upon availability only. For mouldings and other specific applications.

Thicknesses available: 1/4" to 1 1/8". Other thicknesses available on request, subject to minimum order.

Uniboard MDF meets the requirements of ANSI A208.2-2016/Grade 130, ECC 4-11, CARB ATCM 93120 and is available as FSC® certified

Uniboard MDF meets CARB Phase 2 standards

* Typical values measured at the Mont-Laurier plant

Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

NU GREEN® FR mdf

FIRE-RATED



PRODUCT DESCRIPTION

Uniboard® NU Green FR MDF is an engineered wood product that uses a special chemical system to achieve a Class A / Class 1 fire rated panel. NU Green FR MDF is designed for interior use in residential, commercial and institutional applications, where a non-structural panel is required.

For Surface Burning Characteristics of Building Materials, this product meets:

ASTM E-84 – Class A / Class 1

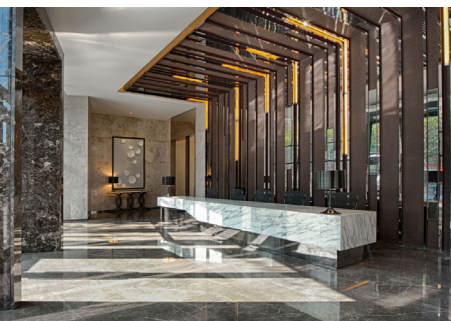
Flame Spread Index : 0-25

Smoke Development Index: 450 Maximum

CAN/ULC-S102-10 contains no performance criteria of its own. The National Building Code of Canada (NBCC) or other jurisdictional documentation should be referenced to determine the FSR and/or SDC performance criteria that is applicable to the product for the intended application.

For easy handling, NU Green FR MDF is offered in lift quantities in a multitude of standard North American panel sizes. This product is available as raw panels or with Uniboard's award winning TFL color collection. A specially formulated red dye has been added to NU Green FR MDF to distinguish it as an FR panel. Uniboard NU Green FR MDF panels are sanded to 150 grits.

With 100% pre-consumer recycled wood content, NU Green FR MDF is excellent for veneering, painting, cutting, and routing applications. This product is FSC® certified and meets NAF emission standards.



IDEAL APPLICATIONS

Uniboard NU Green FR MDF is excellent for commercial and institutional non-structural applications such as:

- Retail and commercial spaces
- Public areas subject to fire regulations
- Interior design
- Wall partitions
- Kiosk or stand displays
- Cabinetry
- Furniture components

NU GREEN® FR mdf TECHNICAL SPECIFICATIONS ¹

PROPERTIES	TYPICAL VALUE ²		ANSI A208.2-2016 (GRADE 130)	
	Metric	Imperial	Metric	Imperial
Density	760 kg/m ³	47.4 lb/ft ³	-	
Internal Bond	0.8 MPa	116 psi	0.54 MPa	78 psi
Modulus of Rupture	24.0 MPa	3,481 psi	21.6 MPa	3,130 psi
Modulus of Elasticity	3,200 MPa	464,121 psi	2,160 MPa	313,000 psi
Screw Holding, Face (≥ 3/8")	1,200 N	270 lb	988 N	222 lb
Screw Holding, Edge (≥ 5/8")	950 N	214 lb	787 N	177 lb
Moisture Content	4 - 6%		≤ 9%	
Thickness Tolerance:	Metric	Imperial	¹ Technical specifications are also available for other grades at uniboard.com ² Typical values measured at the Mont-Laurier mill	
	from specified thickness	± 0.125 mm		
from panel average	± 0.125 mm	± 0.005 in		
Length/Width	± 2.0 mm		± 0.080 in	
Linear Expansion	≤ 0.33%			
Flame Spread	Class A			
Smoke Development	Class A			
Thickness Swell	MR10			
Formaldehyde Emissions	NAF			

Some laminates and coatings applied to NU Green FR MDF may alter the flame spread rating. Some wood veneers and other laminates may have a reaction (including discoloration) to surface coatings and finishes, glues, temperatures, moisture, etc. the compatibility of any adhesive, wood veneers and other laminates should be confirmed with NU Green FR MDF prior to use. Uniboard is not responsible for discoloration or for any claims associated thereto. Ensure NU Green FR MDF is used in compliance with all applicable building codes. For more information, please contact your Sales Representative.



FORMALDEHYDE EMISSIONS GRADEMARK CERTIFICATION PROGRAM

Uniboard fulfills the requirements of EPA TSCA Title VI (40 CFR 770) and/or CARB 2, CAN/CSA-0160-16, 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.



The mark of responsible forestry

LEED® CONTRIBUTION

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



Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

NEED MORE INFORMATION?

www.uniboard.com

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240

redefining wood®

Lite

Technical Specifications

Properties	Typical Value*		ANSI A208.2-2016 (Grade 115)	
	Metric	Imperial	Metric	Imperial
Internal Bond	0,6 N/mm ²	87 psi	0.47 N/mm ²	68 psi
MOR	22,0 N/mm ²	3190 psi	12.4 N/mm ²	1,800 psi
MOE	2,970 N/mm ²	430 762 psi	1,241 N/mm ²	180,000 psi
Screw Holding:				
Face (≥ 3/8")	1 060 N	238 lb	703 N	158 lb
Edge (≥ 5/8")	1 020 N	229 lb	601 N	135 lb
Moisture Content	4-6%		≤ 9%	

Thickness Tolerance:	Metric	Imperial
from specified thickness	± 0.125 mm	± 0.005 in
from panel average	± 0.125 mm	± 0.005 in
Length/Width	± 2.0 mm	± 0.080 in
Linear Expansion	≤ 0.33%	

Light and easy to cut. 100% softwood. Excellent fibre quality. Perfect for mouldings and other applications.

Thicknesses available on request, subject to minimum order.

Uniboard MDF meets the requirements of ANSI A208.2-2016/Grade 115, ECC 4-11, CARB ATCM 93120 and is available as FSC® certified

Uniboard MDF meets CARB Phase 2 standards

*Typical values measured at the Mont-Laurier plant

Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

mdf STANDARD GRADE (115)



PRODUCT DESCRIPTION

Uniboard® Standard MDF is produced using the latest in manufacturing technology. From the 9-foot continuous press to advanced refining and the latest in sanding and cutting technologies, it is unmatched in terms of product performance and flexibility.

Standard MDF is the ideal option for applications that require a good all purpose MDF. Because of its smooth surface and easy ability to sand, it is ideal for projects where deep machining, painting, and lamination are required. Uniboard Standard MDF panels are sanded to 150 grits.

This product is offered in lift quantities in standard North American panel sizes and thicknesses, and is designed for easy handling. Alternative sizes and FSC® certified panels are also available upon request.

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



IDEAL APPLICATIONS

Uniboard Standard MDF is excellent for applications such as:

- Office desks
- Storage units
- Cabinetry components
- Point-of-purchase, trade show and exhibition display stands
- Millwork



NEED MORE
INFORMATION?

www.uniboard.com

Head Office
5555 Ernest-Cormier Street
Laval, Quebec H7C 2S9 Canada

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240

PROPERTIES	TYPICAL VALUE ²		ANSI A208.2-2016 (GRADE 115)	
	Metric	Imperial	Metric	Imperial
Internal Bond	0.6 N/mm ²	87 psi	0.47 N/mm ²	68 psi
Modulus of Rupture	22.0 N/mm ²	3,190 psi	12.4 N/mm ²	1,800 psi
Modulus of Elasticity	2,970 N/mm ²	430,762 psi	1,241 N/mm ²	180,000 psi
Screw Holding, Face (≥ 3/8")	1,060 N	238 lb	703 N	158 lb
Screw Holding, Edge (≥ 5/8")	1,020 N	229 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%	

¹ Technical specifications are also available for other grades at uniboard.com

² Typical values measured at the Mont-Laurier mill



FORMALDEHYDE EMISSIONS GRADEMARK **CERTIFICATION** PROGRAM

Uniboard fulfills the requirements of EPA TSCA Title VI (40 CFR 770) and/or CARB 2, CAN/CSA-0160-16, 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**

Can help you achieve up to 2 LEED® points, based on the LEED 2009 Credits:

- Indoor Environmental Quality: IEQ 4.4
- Materials and Resources MR 4.1, MR 4.2, MR 5.2 and MR 7



Can help you achieve up to 2 LEED points, based on the LEED v4 Credits:

- Materials and Resources: Building Product Disclosure and Optimization — Sourcing of Raw Materials
 - Incorporating pre-consumer recycled material
 - Use of materials that are extracted and manufactured within the project region



Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

ULTRALITE **mdf**



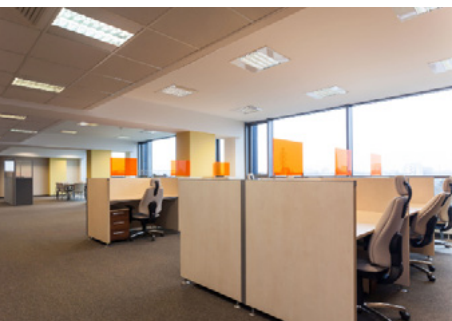
PRODUCT DESCRIPTION

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.



Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

NEED MORE
INFORMATION?

www.uniboard.com

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240

redefining wood®



mdf EXCEL+ MR10



PRODUCT DESCRIPTION

Uniboard® MDF Excel+ is produced using super refining and the latest in sanding and cutting technologies. Unmatched in terms of performance and flexibility, MDF Excel+ has a superior surface quality, uniform density, precisely controlled thicknesses and sanding smoothness, making it perfect for projects requiring deep machining and routing.

Uniboard MDF Excel+ complies with MR10 24-hour submersion testing for moisture resistance and exceeds ANSI A208.2-2016 MR10 requirements for thickness swell.

Uniboard MDF Excel+ is offered in lift quantities in a standard North American panel size, and is designed for easy handling. Alternative sizes and FSC® certified panels are also available. Excel+ panels are standard to 150 grits. Grit 180 is also available upon request.

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



IDEAL APPLICATIONS

Uniboard MDF is excellent for applications such as:

- Cabinetry components such as doors
- Mouldings
- Millwork
- Slatwall



NEED MORE
INFORMATION?

www.uniboard.com

Head Office
5555 Ernest-Cormier Street
Laval, Quebec H7C 2S9 Canada

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240





mdf EXCEL+ TECHNICAL SPECIFICATIONS¹

PROPERTIES	TYPICAL VALUE ²		ANSI A208.2-2016 (GRADE 155)	
	Metric	Imperial	Metric	Imperial
Internal Bond	1.1 N/mm ²	159 psi	0.81 N/mm ²	117 psi
Modulus of Rupture	29 N/mm ²	4,200 psi	27.9 N/mm ²	4,050 psi
Modulus of Elasticity	3,688 N/mm ²	535,000 psi	2,792 N/mm ²	405,000 psi
Screw Holding, Face (≥ 3/8")	1,480 N	333 lb	1,201 N	270 lb
Screw Holding, Edge (≥ 5/8")	1,530 N	344 lb	1,001 N	225 lb
Moisture Content	4-6%		≤ 9%	
Thickness Swell	Complies with MR10			
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%	

¹ Technical specifications are also available for other grades at uniboard.com

² Typical values measured at the Mont-Laurier mill



FORMALDEHYDE EMISSIONS GRADEMARK CERTIFICATION PROGRAM

Uniboard fulfills the requirements of EPA TSCA Title VI (40 CFR 770) and/or CARB 2, CAN/CSA-0160-16, 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 Documenter Center at www.uniboard.com for current information regarding sustainable development and LEED point credits.



Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.

NEED MORE
INFORMATION?

www.uniboard.com

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240

redefining wood®

NU GREEN MR50®

NAF - MDF



PRODUCT DESCRIPTION

Uniboard® NU Green MR50 NAF MDF is our most eco-friendly moisture resistant solution created with a high-quality, NAF medium density fibreboard.

Uniboard NU Green MR50 is ideal for all interior, non-structural applications where periodic humidity exposure is a factor. This environmentally-friendly product contains 100% recycled and recovered wood pre-consumer fibre.

Uniboard NU Green MR50 is available in North American standard sizes and five thicknesses and is designed with the same specifications as the Excel+ grade MDF with the same quality and uniform density that has become synonymous with Uniboard standards of excellence. It features a smooth surface ideal for shaping, machining, laminating and painting or lacquering. NU Green MR50 panels are sanded to 150 grits.

Uniboard NU Green MR50 is manufactured at our world-class MDF mill located in Mont-Laurier, Quebec.



IDEAL APPLICATIONS

Uniboard NU Green MR50 is excellent for applications such as:

- Kitchens
- Bathrooms
- Laundry rooms
- Schools
- Laboratories
- Window boards
- Healthcare establishments

NEED MORE
INFORMATION?

www.uniboard.com

Head Office
5555 Ernest-Cormier Street
Laval, Quebec H7C 2S9 Canada

Customer Service: 1-877-864-8641
Sales: 1-800-263-5240

PROPERTIES	TYPICAL VALUE ²				ANSI A208.2-2016 (GRADE 155)	
	< 15 mm		≥ 15 mm		Metric	Imperial
	Metric	Imperial	Metric	Imperial		
Internal Bond	1.2 N/mm ²	174 psi	1.0 N/mm ²	145 psi	0.81 N/mm ²	117 psi
Modulus of Rupture	39 N/mm ²	5,650 psi	32.4 N/mm ²	4,700 psi	27.9 N/mm ²	4,050 psi
Modulus of Elasticity	3,750 N/mm ²	543,900 psi	3,350 N/mm ²	485,900 psi	2,792 N/mm ²	405,000 psi
Screw Holding, Face (≥ 3/8")			1,327 N	298 lb	1,201 N	270 lb
Screw Holding, Edge (≥ 5/8")			1,160 N	261 lb	1,001 N	225 lb
Moisture Content	4-6%		4-6%		≤ 9%	
Thickness Swell	Complies with MR10*					
Accelerated Aging Cycles	Complies with MR30*					
Formaldehyde Emissions	≤ 0.02 ppm					
Thickness Tolerance - From Specified Thickness	± 0.125 mm	± 0.005 in	± 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	± 0.125 mm	± 0.005 in
Length/Width	± 2.0 mm	± 0.080 in	± 2.0 mm	± 0.080 in	± 2.0 mm	± 0.080 in
Linear Expansion	≤ 0.33%		≤ 0.33%		≤ 0.33%	

¹ Technical specifications are also available for other grades at uniboard.com

² Typical values measured at the Mont-Laurier mill



FORMALDEHYDE EMISSIONS GRADEMARK CERTIFICATION PROGRAM

Uniboard fulfills the requirements of EPA TSCA Title VI (40 CFR 770) and/or CARB 2, CAN/CSA-0160-16, ANSI A208.1 and California Air Resources Board (CARB) Airborne Toxic Control Measures (ATCM) 93120 for NAF/ULEF requirements.



ECO-CERTIFIED COMPOSITE (ECC) CERTIFICATION



Certified to CAN/CSA 0160

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

Can help you achieve up to 2 LEED® points, based on the LEED 2009 Credits:

- Indoor Environmental Quality: IEQ 4.4
- Materials and Resources MR 4.1, MR 4.2, MR 5.2 and MR 7



The mark of responsible forestry

Can help you achieve up to 2 LEED points, based on the LEED v4 Credits:

- Materials and Resources: Building Product Disclosure and Optimization — Sourcing of Raw Materials
 - Incorporating pre-consumer recycled material
 - Use of materials that are extracted and manufactured within the project region



Although the information in this document is presented in good faith and believed to be correct, Uniboard makes no representations or warranties as to the completeness or accuracy of the information. Uniboard shall have no liability for any errors or omissions contained therein or for any consequences of same.