

NU GREEN[®] MR50
NAF - MDF

The greenest solution
where humidity is a concern

- NAF certified (No Added Formaldehyde)
- Ultra low emissions equivalent to a tree found in nature
- Exceeds CARB Phase 2 standards
- FSC[®] certified
- ECC[™] certified
- Made from 100% recycled and recovered wood fiber (pre-consumer)
- Passes the 6 cycle accelerated aging and the 24-hour water submersion tests (MR50)
- Can help you achieve up to 6 LEED[®] points



**CARB
COMPLIANT**

Setting
the standard



OBTAIN UP TO 6 LEED® POINTS

NU Green® MR50 NAF MDF can potentially contribute to achieving Leadership in Energy & Environmental Design (LEED®)

Category	Intent	Requirements	Credits & points	NU Green® MR50 NAF MDF
INDOOR ENVIRONMENTAL QUALITY IEQ 4.4	Improve indoor air quality.	Composite wood products must contain no added urea formaldehyde resins.	1 point	NU Green® MR50 NAF MDF has no formaldehyde resin during the manufacturing process.
MATERIALS AND RESOURCES MR 4.1	Increase the use of products that incorporate recycled content material.	Sum of recycled content constitutes at least 10% of materials in the project.	1 point	NU Green® MR50 NAF MDF is ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).
MATERIALS AND RESOURCES MR 4.2	Increase the use of products that incorporate recycled content material.	Sum of recycled content constitutes at least 20% of materials in the project.	1 point in addition to MR 4.1	NU Green® MR50 NAF MDF is ECC™ certified, 100% recycled and recovered wood fiber (pre-consumer).
MATERIALS AND RESOURCES MR 5.1	Increase the use of materials that are extracted and manufactured within the project region.	Use a minimum of 20% of the combined value of construction materials and products manufactured within a 500-mile radius of the project.	1 point	NU Green® MR50 NAF MDF is manufactured at our Mont-Laurier mill in Quebec, Canada and may contribute to points based on the proximity of the project.
MATERIALS AND RESOURCES MR 5.2	Increase the use of materials that are extracted and manufactured within the project region.	In addition to requirements of MR 5.1, use a minimum of 10% of the combined value of construction materials and products extracted, harvested or recovered, as well as manufactured within a 500-mile radius of the project.	1 point	NU Green® MR50 NAF MDF wood fiber is recovered locally from sources near our manufacturing facility and may contribute to points based on the proximity of the project.
MATERIALS AND RESOURCES MR 7	Encourage environmentally responsible forest management.	Use a minimum of 50% of wood-based and products that are Forest Stewardship Council® (FSC®) certified for building components. These components include, but are not limited to, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes. Only include materials permanently installed in the project. Furniture may be included, providing it is included consistently in MR Credits 3-7.	1 point	NU Green® MR50 NAF MDF is FSC® certified.



Setting the standard... where humidity is a concern

UNIBOARD® NU Green® MR50 NAF MDF: Your Medex® alternative!

NU Green® MR50 NAF MDF is a high-quality, green, versatile medium-density fibreboard designed for residential uses, such as kitchens and bathrooms as well as commercial applications, such as food service industries, institutional buildings and healthcare establishments.

MOISTURE RESISTANT: NU Green® MR50 NAF MDF is ideal for all interior, non-structural applications where periodic humidity exposure is a factor. As an MR50 qualified product, it passes the 24-hour submersion test (MR10) and the 6 cycle accelerated aging test (MR30).

QUALITY: NU Green® MR50 NAF MDF is manufactured with the same standards as our Excel + grade MDF, so you benefit from the same quality, smooth surface and uniform density that allows for shaping, machining, laminating, painting or lacquering.

GREEN: We manufacture NU Green® MR50 NAF MDF using a process in which a specialized resin is added. Its ultra low emissions are no greater than those released by a tree found in nature. This environmentally-friendly product contains 100% recycled and recovered wood pre-consumer fiber.

CERTIFIED: NU Green® MR50 MDF is NAF certified (No Added Formaldehyde) and exceeds CARB Phase 2 standards. FSC® certified (Forest Stewardship Council®) as well as ECC™ certified (Eco-Certified Composite by the Composite Panel Association [CPA]), these panels meet the highest environmental standards.

LEED® POINTS: NU Green® MR50 NAF MDF can help you achieve up to 6 LEED® points (see table).

RAW AND TFM AVAILABILITY: NU Green® MR50 NAF MDF is available as a raw product or as a value-added product under our full collection of melamine colours through our extensive network of distributors, making it readily available in all major markets.

Panel Dimensions

Sizes (ft)	4 x 8 and 5 x 8
Thicknesses (in)	1/4, 1/2, 11/16, 3/4, 1

Due to the NAF resin binding system used to manufacture NU Green® MR50 NAF MDF, cutting, drilling, routing and gluing procedures may differ from those used with standard MDF. Although generally unproblematic, we recommend that you test NU Green® MR50 NAF MDF prior to full-scale production.

The NU Green® MR50 NAF MDF should be used for interior applications: the mechanical and physical properties are not guaranteed if used for outdoor applications.

For further details, please consult the GREEN section of our website at www.uniboard.com.

Medex® is a registered trademark of SierraPine



G19 Cashmere

Grade 155

Technical Specifications

Properties		
	Metric	Imperial
Moisture content	Max. 6%	
Density range	730-750 kg/m ³	45.6-46.8 lb/ft ³
Thickness tolerance		
Between panels	± 0.125 mm	± 0.005 in
Within panels	± 0.125 mm	± 0.005 in
Modulus of rupture	36 N/mm ²	5,208 psi
Modulus of elasticity	3,400 N/mm ²	493,127 psi
Internal bond	1.4 N/mm ²	196 psi
Linear expansion	< 0.25%	
Screw holding		
Face	1,550 N	349 lb
Core	1,450 N	326 lb
Thickness swell	4%	
Water absorption	8%	
Formaldehyde emissions	≤ 0.02 ppm	
Length-Width	± 2.0 mm	± 0.080 in

Passes the 6 cycle accelerated aging and the 24-hour water submersion tests (MR50)

NU Green[®] MR50 NAF MDF meets the requirements of ANSI A208.2-2009/Grade 155 and is available as FSC[®] certified

NU Green[®] MR50 MDF is NAF certified (No Added Formaldehyde) and exceeds CARB Phase 2 standards

NU Green[®] MR50 NAF MDF is available in our extensive collection of melamine colours

Typical Uniboard[®] average values



Head Office
2540 Daniel-Johnson Blvd., Suite 500
Laval, Quebec, Canada H7T 2S3
Toll free: 1.800.263.5240
www.uniboard.com

Quebec Sales
Toll free: 1.800.263.5240
Ontario Sales
Tel.: 905. 673.5743

US Sales (North)
Tel.: 330.264.9337
Fax: 330.262.8767

Samples
www.uniboard.com