

NU GREEN ZERO®
NAF / ULEF - MDF

More resistant to humidity than
all other regular MDF panels

- NAF certified (No Added Formaldehyde)
- Exceeds CARB Phase 2 standards
- FSC® certified
- ECC™ certified
- Made from 100% recycled and recovered wood fiber (pre-consumer)
- Passes the 24-hour water submersion tests (MR10)
- Can help you achieve maximum LEED® points



The mark of
responsible forestry



**CARB
COMPLIANT**

Setting
the standard



OBTAIN UP TO 6 LEED® POINTS (NC-2009)

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

Category	Intent	Requirements	Credits & points	NU Green ZERO NAF/ULEF 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 ZERO NAF/ULEF 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 ZERO NAF/ULEF 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 ZERO NAF/ULEF 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 ZERO NAF/ULEF 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 ZERO NAF/ULEF 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 ZERO NAF/ULEF MDF is FSC® certified.

Setting the standard... where humidity is a concern

NU Green ZERO® NAF/ULEF 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 ZERO NAF/ULEF MDF is ideal for all interior, non-structural applications where periodic humidity exposure is a factor. As an MR10 qualified product, it passes the 24-hour submersion test (MR10).

QUALITY: NU Green ZERO NAF/ULEF 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 ZERO NAF/ULEF MDF using a process in which a specialized resin is added. This environmentally-friendly product contains 100% recycled and recovered wood pre-consumer fiber.

CERTIFIED: NU Green ZERO 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 ZERO NAF/ULEF MDF can help you achieve up to 6 LEED points based on the NC - 2009 USGBC version (see table) and up to 4 points LEED® with the new version LEED v4 (effective in Canada as of January 2015).

RAW AND TFM AVAILABILITY: NU Green ZERO NAF/ULEF 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 really available in all major markets.

Panel Dimensions

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

Due to the NAF resin binding system used to manufacture NU Green ZERO NAF/ULEF 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 ZERO NAF/ULEF MDF prior to full-scale production.

The NU Green ZERO NAF/ULEF MDF should be used for interior applications: 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.



Grade 130

Technical Specifications

Properties	Typical Value	
	Metric	Imperial
Moisture content	4.0–6.0%	
Density range	700–775 kg/m ³	43.7–48.4 lb/ft ³
Thickness tolerance Between panels Within panels	± 0.125 mm ± 0.125 mm	± 0.005 in ± 0.005 in
Modulus of rupture	21.6 N/mm ²	3,130 psi
Modulus of elasticity	2,160 N/mm ²	313,000 psi
Internal bond	0.60 N/mm ²	87 psi
Linear expansion	< 0.33%	
Screw holding Face Core	988 N 787 N	222 lb 177 lb
Thickness swell	MR10 (max. 5.5%)	
Formaldehyde emissions	≤ 0.02 ppm	
Length-Width	± 2.0 mm	± 0.080 in

Passes the 24-hour water submersion tests (MR10)

NU Green ZERO® NAF/ULEF MDF meets the requirements of ANSI A208.2-2009/Grade 130 and is available as FSC® certified

NU Green ZERO MDF is NAF certified (No Added Formaldehyde) and exceeds CARB Phase 2 standards

NU Green ZERO NAF/ULEF MDF is available in our extensive collection of melamine colours

Typical Uniboard® average values



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