

ULTRASTOCK®

MDF Panels

All Panels Produced With 100% NAF Resin
and are MR10 Moisture Resistant



Versatile, Machinable, and Offering an NAF Designation

Whether you need an MDF panel that provides exceptional machinability, improved freight efficiency or a range of specialty application characteristics, specify UltraStock® medium density fiberboard products for outstanding performance and value.

UltraStock panels are manufactured using NAF resins. All product grades are CARB and TSCA Title VI certified.

SELECT, PREMIUM, AND LITE GRADE CHOICES

Smooth and consistent, UltraStock Select and UltraStock Premium medium density fiberboard (MDF) panels are designed for outstanding machining and finishing. UltraStock Lite offers the additional benefit of reduced product weight to the mix.

ULTRASTOCK® MR AND ULTRASTOCK® FR

Engineered to meet the thickness swell and bond integrity criteria required for an MR50¹ designation, UltraStock MR also provides premium workability for applications subject to moisture exposure. When a fire-resistant panel with low flame spread and smoke developed characteristics is required, choose UltraStock FR with MR50 properties

ULTRASTOCK® EMBOSSING

Produced with an optimized light weight and surface smoothness, UltraStock Embossing works especially well for machining, edge foil and molding applications.

1. ANSI A208.2-2016 section 3.6

DIMENSIONS¹

UltraStock Select:

THICKNESSES: 1/4" – 1 1/8"
WIDTHS: To 5' LENGTHS: To 16'

UltraStock Premium:

THICKNESSES: 1/4" – 1 1/2"
WIDTHS: To 5' LENGTHS: To 16'

UltraStock Lite, UltraStock Embossing:

THICKNESSES: 3/8" – 3/4"
WIDTHS: To 5' LENGTHS: To 16'

UltraStock MR:

THICKNESSES: 1/4" – 1 1/2"
WIDTHS: To 5' LENGTHS: To 16'

UltraStock FR:

THICKNESSES: 3/8" – 1 1/4"
WIDTHS: To 5' LENGTHS: To 16'

APPLICATIONS

- Moulding and millwork
- Cabinets and fixtures
- Home and office furniture
- Laminate flooring
- Architectural wall panels

¹ Certain panel dimensions may not be available in all geographical regions, please reach out to a GP representative for product availability.

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TOLERANCES

Length & Width: ± 1/16" per panel
Squareness: ± 1/64" per ft. of length
Straightness: ± 1/64" per ft. of length
Thickness: ± 0.005" (within panel)
Thickness: ± 0.005" (panel to panel)

EPA TSCA, TITLE VI

All UltraStock MDF is CARB and EPA TSCA Title VI certified. This Product contains No Added Formaldehyde.

ECC CERTIFICATION

UltraStock MDF produced at the Georgia-Pacific facility in Mt. Jewett, Pennsylvania, has earned the Composite Panel Association's (CPA) Eco-Certified Composite (ECC) grademark, which verifies compliance with the CPA 4-19 ECC Sustainability Standard, the California Air Resources Board (CARB) Air-borne Toxic Control Measure (ATCM) 93120 and EPA TSCA Title VI.

FSC[®] CERTIFICATION

UltraStock MDF is certified to the requirements of Forest Stewardship Council[®] standards for FSC Mix Chain of Custody and Controlled Wood and is available by special order.

ENVIRONMENTAL CREDITS

The specification of UltraStock MDF can contribute toward multiple LEED credits in these LEED certification categories:

EQ Credit: Low-emitting materials

MR Credit: Building product disclosure and optimization – environmental product declarations

MR Credit: Building product disclosure and optimization – sourcing of raw materials

MR Credit: Building product disclosure and optimization – materials ingredients

Contact your GP representative for more specific information regarding environmental credits and green rating system contributions.

The fire-retardant chemicals used to treat ULTRASTOCK FR products may affect the performance of certain adhesives for lamination, the ability of the board to hold paint or print, color retention of certain veneers and possibly other performance characteristics. We recommend that all value-added processes and product additions be fully evaluated for compatibility with our fire-rated products. These evaluations should consider not only the process but the coatings, fasteners, adhesives, overlays and any other treatment that involves contact with the substrate.

PHYSICAL PROPERTIES	ULTRASTOCK [®] SELECT		ULTRASTOCK [®] PREMIUM			
Min Panel Averages ¹	1/4" to < 1/2"	1/2" to < 1/8"	< 3/8"	3/8" to < 1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	4050	4050	4050	3130	3130	3130
MOE-Modulus of Elasticity (kpsi)	405	405	405	313	313	313
IB-Internal Bond (psi)	120	120	110	100	90	85
Face Screw Holding Capacity (lbs)	270	270	235	235	235	235
Edge Screw Holding Capacity ² (lbs)	NA	250	NA	NA	215	205
24-Hour Thickness Swell	≤ 0.0325"	≤ 5.5% ³	≤ 0.0325"	≤ 0.0325"	≤ 5.5% ³	≤ 5.5%

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. For ≤ 9/16", thickness swell is ≤ 0.0325"

PHYSICAL PROPERTIES	ULTRASTOCK [®] LITE		ULTRASTOCK [®] MR (MR50)		
Min Panel Averages ¹	3/8" to < 1/2"	1/2" to < 3/4"	1/4" to < 1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	2800	2800	4050	4050	4050
MOR-After Accelerated Aging (psi)	NA	NA	2025	2025	2025
MOE-Modulus of Elasticity (kpsi)	280	280	405	405	405
IB-Internal Bond (psi)	100	90	130	120	110
Face Screw Holding Capacity (lbs)	222	222	250	270	270
Edge Screw Holding Capacity ² (lbs)	NA	215	NA	250	250
24-Hour Thickness Swell	≤ 0.0325"	≤ 5.5% ³	≤ 0.0325"	≤ 5.5% ³	≤ 5.5%

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. For ≤ 9/16", thickness swell is ≤ 0.0325"

PHYSICAL PROPERTIES	ULTRASTOCK [®] FR (WITH MR50 PROPERTIES)		
Min Panel Averages ¹	3/8" to < 1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	3130	3000	2900
MOE-Modulus of Elasticity (kpsi)	313	313	313
IB-Internal Bond (psi)	100	90	85
Face Screw Holding Capacity (lbs)	235	235	235
Edge Screw Holding Capacity ² (lbs)	NA	215	205
24-Hour Thickness Swell	≤ 0.0325"	≤ 5.5% ³	≤ 5.5%

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. For ≤ 9/16", thickness swell is ≤ 0.0325"

PHYSICAL PROPERTIES	ULTRASTOCK [®] EMBOSING	
Min Panel Averages ¹	3/8" to < 1/2"	1/2" to 3/4"
MOR-Modulus of Rupture (psi)	3000	3000
MOE-Modulus of Elasticity (kpsi)	250	250
IB-Internal Bond (psi)	130	125
Face Screw Holding Capacity (lbs)	235	225
Edge Screw Holding Capacity ² (lbs)	NA	175
24-Hour Thickness Swell	≤ 0.0325"	≤ 5.5% ³

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. For ≤ 9/16", thickness swell is ≤ 0.0325"