

# MDF Panels



## Versatile and Machinable Line of Premium Products

### ULTRASTOCK® SELECT, ULTRASTOCK® PREMIUM, ULTRASTOCK® LITE

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® FREE

UltraStock® Free MDF panels are made to offer premium performance properties and added environmental responsibility because of its excellent physical properties and use of no-added-formaldehyde resins.

### ULTRASTOCK® MR50, ULTRASTOCK® MR50+FREE

Engineered to resist moisture and humidity while providing the workability and physical characteristics of our premium board, UltraStock® MR50 and UltraStock® MR50+FREE provide reliable performance plus a no-added-formaldehyde resin option.

### ULTRASTOCK® EMBOSSING, ULTRASTOCK® MOULDING

Produced with an optimized light weight and surface smoothness, UltraStock® Embossing works especially well for heated, die-press applications and UltraStock® Moulding provides excellent high-volume results for machining and shaping.

#### DIMENSIONS

##### 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, UltraStock Moulding:

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

##### UltraStock FREE, UltraStock MR50, UltraStock MR50+FREE:

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

#### APPLICATIONS

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

# MDF Panels

PHYSICAL PROPERTIES	ULTRASTOCK® SELECT		ULTRASTOCK® PREMIUM			
Min Panel Averages <sup>1</sup>	1/4" to <1/2"	1/2" to 1 1/8"	< 3/8" <sup>3</sup>	3/8" to <1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	4500 <sup>3</sup>	4050	4050	3130	3130	3130
MOE-Modulus of Elasticity (kpsi)	450 <sup>3</sup>	405	405	313	313	313
IB-Internal Bond <sup>2</sup> (psi)	120	120	110	100	90	85
Face Screw Holding Capacity (lbs)	270	270	235	235	235	235
Edge Screw Holding Capacity <sup>4</sup> (lbs)	NA	250	NA	NA	215	205
Formaldehyde Emissions CARB II Compliant	✓	✓	✓	✓	✓	✓

1. One-panel minimum average per ANSI 208.2 2. Minimum individual value per ANSI 208.1 3. ASTM D1037-06-PART B for <9.5mm (0.375") 4. Edge screw pull for less than 5/8" not applicable

PHYSICAL PROPERTIES	ULTRASTOCK® LITE		ULTRASTOCK® FREE <sup>4</sup>			
Min Panel Averages <sup>1</sup>	3/8" to <1/2"	1/2" to 3/4"	< 3/8" <sup>3</sup>	3/8" to <1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	2800	2800	4050	3130	3130	3130
MOE-Modulus of Elasticity (kpsi)	280	280	405	313	313	313
IB-Internal Bond <sup>2</sup> (psi)	100	90	110	100	90	85
Face Screw Holding Capacity (lbs)	222	222	235	235	235	235
Edge Screw Holding Capacity <sup>2</sup> (lbs)	NA	215	NA	NA	215	205
Formaldehyde Emissions CARB II Compliant	✓	✓	✓	✓	✓	✓

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. ASTM D1037-06-PART B for <9.5mm (0.375") 4. Free indicates product made with no added formaldehyde

PHYSICAL PROPERTIES	ULTRASTOCK® MR50			ULTRASTOCK® MR50+FREE <sup>4</sup>		
Averages <sup>1</sup>	1/4" to <1/2"	1/2" to 3/4"	>3/4"	1/4" to <1/2" <sup>3</sup>	1/2" to 3/4"	>3/4"
MOR-Modulus of Rupture (psi)	4050	4050	4050	4050	4050	4050
MOE-Modulus of Elasticity (kpsi)	405	405	405	405	405	405
IB-Internal Bond (psi)	120	110	90	120	110	90
Face Screw Holding Capacity (lbs)	250	270	270	250	270	270
Edge Screw Holding Capacity <sup>2</sup> (lbs)	NA	250	250	NA	250	250
Formaldehyde Emissions CARB II Compliant	✓	✓	✓	✓	✓	✓
24-Hour Thickness Swell	≤ 5.5%	≤ 5.5%	≤ 5.5%	≤ 5.5%	≤ 5.5%	≤ 5.5%

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. ASTM D1037-06-PART B for <9.5mm (0.375") 4. Free indicates product made with no added formaldehyde

PHYSICAL PROPERTIES	ULTRASTOCK® EMBOSING		ULTRASTOCK® MOULDING			
Min Panel Averages <sup>1</sup>	3/8" to <1/2"	1/2" to 3/4"	< 3/8" <sup>3</sup>	3/8" to <1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	3000	3000	4050	3130	3130	3130
MOE-Modulus of Elasticity (kpsi)	250	250	405	313	313	313
IB-Internal Bond <sup>2</sup> (psi)	115	115	115	115	115	115
Face Screw Holding Capacity (lbs)	225	225	235	235	235	235
Edge Screw Holding Capacity <sup>2</sup> (lbs)	NA	175	NA	NA	215	205
Formaldehyde Emissions CARB II Compliant	✓	✓	✓	✓	✓	✓

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8"

## 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)

## ECC CERTIFICATION

UltraStock MDF products produced in the Georgia-Pacific facility in Mt. Jewett, Pennsylvania, have been awarded the Composite Panel Association (CPA) Eco-Certified Composite (ECC) grademark, signifying compliance with the highest industry measure of environmental responsibility.

## FSC® CERTIFICATION

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

## FORMALDEHYDE EMISSIONS

These products comply with the California Air Resources Board (CARB) Phase 2 formaldehyde emission standards. FREE products are no-added-formaldehyde (NAF) products and are exempt from Third-Party Certification under CARB Phase 2.

## ENVIRONMENTAL CREDITS

Refer to our website for current information regarding environmental credits and green rating system contributions.

