

# MDF Panels



## Versatile and Machinable Line of Premium Products

### ULTRASTOCK® SELECT, ULTRASTOCK® PREMIUM

Smooth and consistent for machining and finishing, UltraStock® Select and UltraStock® Premium medium density fiberboard (MDF) panels are designed for the requirements of applications such as RTF cabinet doors and high-volume productivity.

### ULTRASTOCK® LITE

UltraStock® Lite MDF panels provide outstanding machinability and finishing characteristics as well as reduced product weight.

### 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-urea-formaldehyde resins.

### ULTRASTOCK® MR, ULTRASTOCK® MR+FREE

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

### DIMENSIONS

#### UltraStock Select:

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

#### UltraStock Premium:

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

#### UltraStock Lite:

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

#### UltraStock FREE:

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

#### UltraStock MR, UltraStock MR+FREE:

THICKNESS: 1/4" - 1 5/16"  
 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>	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)	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® MR			ULTRASTOCK® MR+FREE <sup>4</sup>		
Averages <sup>2</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	10%	7%	4%	10%	7%	4%

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

## 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.

