

# ULTRASTOCK® FR

FR with MR50 properties | MDF Panels



## Specify it for Fire Resistance. Appreciate it for So Much More.

UltraStock® FR MDF is an Intertek certified material for applications that require a medium density fiberboard with Class 1 or Class A fire resistant characteristics\*. Ultrastock FR also has MR50 Properties, but UltraStock FR MDF is a valuable specification in other ways, too. Its smooth surface is ideal for a range of hot or cold applied decorative laminates, veneers and finishes. Its strength, stability and uniformity facilitate precision machining and assembly, its production with recycled fiber and NAF resin can contribute toward environmental credits. So, for fire resistance and a whole lot more, specify UltraStock FR MDF.

# ULTRASTOCK<sup>®</sup> FR

## FR with MR50 properties | MDF Panels

PHYSICAL PROPERTIES	PANEL THICKNESS		
	3/8" to < 1/2"	1/2" to 3/4"	> 3/4"
Min Panel Averages <sup>1</sup>	3/8" to < 1/2"	1/2" to 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	3130	3130	3130
MOR-After Accelerated Aging (psi)	1565	1565	1565
MOE-Modulus of Elasticity (kpsi)	313	313	313
IB-Internal Bond (psi)	100	90	85
IB-Ind (psi)	80	80	75
Face Screw Holding Capacity (lbs)	235	235	235
Edge Screw Holding Capacity <sup>2</sup> (lbs)	NA	215	205
24-Hour Thickness Swell <sup>3</sup>	≤ 0.0325"	≤ 5.5%	≤ 5.5%

1. One-panel minimum average per ANSI A208.2 2. Not applicable for thinner than 5/8" 3. For 9/16", thickness swell is 0.0325"

### DIMENSIONS<sup>1</sup>

**Thicknesses:** 3/8" – 1 1/4"  
**Widths:** To 5'  
**Lengths:** To 16'

### DIMENSIONS

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

### CLASSIFICATION



### EPA TSCA, TITLE VI

UltraStock FR MDF is manufactured using 100% NAF resin and is CARB, as well as EPA TSCA Title VI certified. It contains No Added Formaldehyde.

### ECC CERTIFICATION

UltraStock FR 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<sup>®</sup> CERTIFICATION

UltraStock FR MDF is certified to the requirements of Forest Stewardship Council<sup>®</sup> standards for FSC Mix Chain of Custody and Controlled Wood and is available by special order.

### MR50 DESIGNATION

UltraStock FR MDF meets the 24-hour thickness swell test value of 5.5% or less and the advance bond value of 50% of original MOR after accelerated aging.

### ENVIRONMENTAL CREDITS

The specification of UltraStock FR 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.

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