

TEMSTOCK®

Particleboard Panels



High-Efficiency, Multi-Use Family of Products

With a solid history of productivity and cost-efficiency, TemStock® Particleboard is an excellent performer in a range of woodworking applications. This family of composite panels provides material solutions for design requirements that include strength, machinability and surface smoothness, as well as specialty characteristics like fire resistance.

TemStock particleboard panels are CARB and EPA TSCA Title VI certified. Customers may order TemStock S and TemStock W with either a NAF or ULEF designation. TemStock FR is produced with a NAF or ULEF designation.

TEMSTOCK S®, TEMSTOCK W®

TemStock S is engineered for applications that demand physical strength properties to enhance load bearing, fastener holding or precision machining performance. When the primary objective is to reduce product or component weight, our TemStock W panels are the natural choice.

TEMSTOCK FR®

Specify TemStock FR when it's necessary to use a material with Class 1 or Class A fire-resistant characteristics.

DIMENSIONS¹

TemStock S and TemStock W:

THICKNESSES: 1/4" – 1 1/8"

PANEL SIZES: 49" x 73" – 145"*

TemStock FR:

THICKNESSES: 3/8" – 1"

PANEL SIZES: 49" x 73" – 145"²

APPLICATIONS

- Home and office furniture
- Cabinets and fixtures
- Flooring
- Wall panels

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

² Countertops and shelving available.

TEMSTOCK®

Particleboard Panels

PHYSICAL PROPERTIES	TEMSTOCK S ¹				TEMSTOCK W ²			
Averages ³	< 3/8"	3/8" to 1/2"	> 1/2" to < 1"	≥ 1"	< 3/8"	3/8" to 1/2"	> 1/2" to < 1"	≥ 1"
MOR-Modulus of Rupture (psi)	1885	1885	1885	1885	1450	1450	1450	1450
MOE-Modulus of Elasticity (kpsi)	290.1	290.1	290.1	290.1	246.6	246.6	246.6	246.6
IB-Internal Bond (psi)	100	90	80	75	80	70	70	65
Face Screw Holding Capacity (lbs)	202	202	202	202	180	180	180	180
Edge Screw Holding Capacity (lbs)	NA	NA	180 ⁴	180	NA	NA	140 ⁴	140

1. ≥ M-2 2. ≥ M-1 3. One-panel minimum average (ASTM D1037 / ANSI A208.1-2016) 4. Not applicable for thinner than 5/8"

PHYSICAL PROPERTIES	TEMSTOCK FR		
Averages ²	3/8" to < 5/8"	5/8" to 3/4"	≥ 3/4"
MOR-Modulus of Rupture (psi)	1600	1400	1400
MOE-Modulus of Elasticity (kpsi)	290	270	270
IB-Internal Bond (psi)	80	70	55
Face Screw Holding Capacity (lbs)	225	225	225
Edge Screw Holding Capacity (lbs)	NA	160 ³	160
Flame Spread	See Note 4	See Note 4	See Note 4
Smoke Developed	See Note 4	See Note 4	See Note 4

1. ≥ M-2 2. One-panel minimum average (ASTM D1037 / ANSI A208.1-2016) 3. 5/8" and thicker 4. Intertek Classified Wood Particleboard: Surface Burning Characteristics: Class 1 or Class A

TOLERANCES

Length & Width: ± 1/16"
Squareness: ± 1/8"
Straightness: ± 1/64" per 2 ft.
Thickness: ± 0.004" (within panel)
Thickness: ± 0.004" (panel to panel)

ECC CERTIFICATION

TemStock particleboard produced at the Georgia-Pacific facility in Diboll, TX, 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

TemStock particleboard 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 TemStock particleboard 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 TemStock particleboard 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.

TEMSTOCK FREE (NAF)

TemStock FREE is our legacy brand for low-emissions particleboard introduced over ten years ago. It now represents any TemStock product approved for the CARB NAF and ULEF designation.