



TemStock FR™ Particleboard

When an industrial or commercial application calls for fire resistance, TemStock FR™ particleboard delivers.

- Excellent substrate for wood veneers, high and low pressure laminates and vinyl overlays.
- May be cut, machined or drilled without significant effect on its flame spread rating.

Applications

Wall systems, fixtures, cabinets or furniture for industrial or commercial applications where a Class 1 fire rating is desired.

Dimensions

Thickness 3/8" - 1"

Panel Sizes 49" x 73" - 144"

Press Sizes 4' x 24'

Physical Properties

Averages ¹	3/8" - < 5/8"	3/8" - 5/8"	> 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	160
Formaldehyde Emission (ppm) ²	CARB II Compliant	CARB II Compliant	CARB II Compliant
Flame Spread ³	See Note 3	See Note 3	See Note 3
Smoke Developed ³	See Note 3	See Note 3	See Note 3

1. One-panel minimum average (ASTM D1037 / ANSI A208.1-2009)
2. Non-averaged maximum test value
3. Underwriters Laboratories, Inc. Classified Wood Particleboard: Surface Burning Characteristics. UL 723-Class 1 or ASTM E-84 Class A.

Tolerances

Length & Width	± 1/16"
Squareness	≤ 1/8"
Straightness	1/64" per 2 feet of length
Thickness (within panel)	± 0.004"
Thickness (panel to panel)	± 0.004"

Environmental Credits

LEED	Credit	Description
Recycled Content	MR credit 4	Awards 1 or 2 points for using products with recycled content that constitute at least 10% or 20%, based on cost, of the total value of project materials.
Regional Materials	MR credit 5	Awards 1 or 2 points for using materials on a project that are extracted and manufactured within 500 miles that constitute at least 10% or 20%, based on cost, of the total value of project materials.

National Green Building Standard	Credits	Description
Pre-Consumer Recycled Content	604.1(2)	Use recycled content products in major areas such as walls, floor, insulation and roofing.

National Green Building Standard	Credits	Description
FSC® Certification	606.2(3)	Wood or wood-based products available that are certified by Forest Stewardship Council™.
Other Certification	606.2(6)	Wood-based components certified in accordance to CPA ECC 4-11.
Low Formaldehyde/VOC Emissions	901.4(a)	In compliance with ANSI A208.1.
Low Formaldehyde/VOC Emissions	901.4(c)	In compliance with CPA ECC 4-11.

CARB	Credits	Description
California Air Resource Board C.A.R.B.		In compliance with CARB phase 2 requirements.

Safety & Sustainability

URL: [SDS for Wood Product - TemStock® Particleboard](#)

Formaldehyde Emissions

Complies with California Air Resources Board (CARB) Phase 2 formaldehyde emission standards.

Warning

This particleboard contains low fuming urea formaldehyde resin and may release formaldehyde vapors in low concentrations. Formaldehyde vapors can be potentially irritating to the eyes and upper respiratory system. Should irritation develop, consult your physician.

Specifications

PDF: [Industrial Composite Panels: Particleboard Panels \(396KB/2pgs\)](#)