

TEMSTOCK-FR™

a TempleInland product

Fire-Rated Particleboard



Need a Particleboard Panel Designed to Resist Burning?

TemStock™-FR.
Adds fire-resistance
without subtracting
performance.

TemStock-FR is designed for industrial or commercial applications where a higher level of fire protection is desired. It is an excellent substrate for wood veneers, high and low pressure laminates, as well as vinyl overlays, and may be cut, machined or drilled without significant effect on its flame spread rating. In addition,



TemStock-FR carries the CPA's Eco-Certified Composite Grademark, the industry's highest standard of sustainability and environmental responsibility. That means it delivers a strong combination of green-building benefits that can earn points in both LEED® and the NAHB National Green Building Program. For extra fire resistance specify TemStock-FR.

Real Selection. Real Solutions.

TempleInland®

TEMSTOCK-FR TM Fire-Rated Particleboard

a TempleInland product

Exceptional fire-resistance. Outstanding production performance.

TemStock™-FR is your best choice for constructing wall systems, fixtures, cabinets or furniture for industrial or commercial applications where a Class 1 UL 723 or Class A ASTM E84 rating is desired. While resistant to combustion, it's still an excellent substrate for machining, laminating and other production processes required to keep you running coolly and efficiently.



PHYSICAL PROPERTIES			
Averages ¹	3/8"- < 5/8"	5/8"- 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 (lbs)	225	225	225
Edge Screw Holding (lbs)	N/A	160	160
Formaldehyde Emission (ppm) ²	.09	.09	.09
Flame Spread ³	See Note 3	See Note 3	See Note 3
Smoke Developed ³	See Note 3	See Note 3	See Note 3

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

TOLERANCES	
Length and Width	±1/16"
Squareness	≤1/8"
Straightness	±1/64"/2 ft.
Thickness (within panels)	±0.004"
Thickness (panel to panel)	±0.004"

DIMENSIONS

Thickness (in.):

3/8" - 1 1/8"

Panel Sizes:

Standard 4-foot sizes

LOCATION

Monroeville, Alabama

LIMITATIONS

TemStock-FR should be specified for interior use only.

BUILDING CODES

TemStock-FR meets these code requirements: BOCA, ICBO and SBCCI

ENVIRONMENTAL CREDITS		
LEED	CREDITS	DESCRIPTION
Recycled Content	MR 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.
Locally Produced Materials	MR 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.
NAHB	CREDITS	DESCRIPTION
Pre-Consumer Recycled Content	604.1(2)	Use recycled content products in major areas such as walls, floors, insulation and roofing.
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	CARB	Exceeds requirements of CARB Phase 2.

ECC CERTIFICATION	FSC® CERTIFICATION
The Composite Panel Association has certified particleboard produced at our Monroeville, Alabama, facility with the Eco-Certified Composite (ECC) grade-mark. ECC verifies that TemStock products meet or exceed CARB Phase 2 formaldehyde emission standards and each facility conforms to at least 3 of these 5 environmental responsibility measures: carbon storage, use of local resources, recycled and/or recovered resources, sustainability through resource usage, and responsible wood sourcing.	Particleboard produced at Temple-Inland's Monroeville, Alabama, facility that is certified to conform to the requirements of Forest Stewardship Council™ standards for Chain of Custody, Controlled Wood and Reclaimed Material manufacturing is available by special order.

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.

FORMALDEHYDE EMISSIONS: Large chamber air sample testing of Temple-Inland TemStock products has been conducted per ASTM E1333-96 (2002) to verify their conformance to California Air Resources Board (CARB) Phase 2 formaldehyde emission standards as well as the requirements of ANSI A208.1 Table B and HUD DFR Part 3280.



TempleInland®

www.templeinland.com ▲ 800-424-2311