

TEMSTOCK-MR Moisture-Resistant
a TempleInland product Particleboard

TEMSTOCK-FR Fire-Rated
a TempleInland product Particleboard



Special challenges
inspire unique solutions.

Two new panels offer moisture-resistant and fire-rated characteristics.

Specialized clubs enhance a player's performance by providing solutions to overcome unique challenges. Temple-Inland's two new specialty panels deliver the same benefit. Part of the TemStock™ family of particleboard products, TemStock-MR is a moisture-resistant panel designed to inhibit absorption and minimize swelling while TemStock-FR is a panel designed to provide a Class A fire rating for improved safety. Both offer the machinability and laminating characteristics customers expect from TemStock while adding their unique benefits to a range of products from flooring, cabinets and fixtures to architectural accents and more. So, if your challenge is moisture- or fire-protection performance, choose TemStock-MR and TemStock-FR for your solution.

TempleInland®

TEMSTOCK-MR Moisture-Resistant Particleboard
a TempleInland product

TEMSTOCK-FR Fire-Rated Particleboard
a TempleInland product

Production Characteristics Value-Engineered for Wider Application.

Premium particleboard doesn't have to have just one set of specs anymore. Whether you need moisture resistance, fire protection or a range of other performance characteristics, we can help you choose the best solution from a family of premium particleboard panels.

TEMSTOCK-MR

Specify TemStock-MR for cabinets and fixtures with an elevated risk of exposure to liquids and high humidity. Featuring enhanced moisture-resistant resins and other additives, TemStock-MR is formulated to provide increased protection without sacrificing performance. It can be machined, drilled and laminated with premium results.

DIMENSIONS

Thickness (in.): 1/4 – 1 1/8

Panel Sizes (in.): 49 & 61 (widths) x 73-169 (lengths)

LOCATIONS

Monroeville, Alabama & Hope, Arkansas

LIMITATIONS

TemStock-MR should be specified for interior use only.

INTERMEDIATE MOISTURE RESISTANCE CRITERIA

TemStock-MR passes the CPA-IMR-01-2004 specification.

TEMSTOCK-FR

Specify TemStock-FR when constructing wall systems, fixtures, cabinets or furniture for industrial or commercial applications where a Class 1 fire rating 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.

DIMENSIONS

Thickness (in.): 3/8 – 1 1/8

Panel Sizes: Standard 4-foot sizes

LOCATIONS

Monroeville, Alabama

LIMITATIONS

TemStock-FR should be specified for interior use only.

BUILDING CODES

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

PHYSICAL PROPERTIES - MR

	3/8" & thinner	1/2" & thicker
MOR-Modulus of Rupture (psi)	2103	2103
MOE-Modulus of Elasticity (psi)	326,300	326,300
IB-Internal Bond (psi)	100	90*
Face Screw Holding (lbs)	250	250
Edge Screw Holding (lbs)	N/A	202**
Formaldehyde Emissions (ppm)	.20	.20
24-Hour Thickness Swell	6.0%	4.0%

*100 for 1/2" and thinner **Not applicable for thinner than 5/8"

PHYSICAL PROPERTIES - FR

	< 5/8"	5/8" - 3/4"	> 3/4"
MOR-Modulus of Rupture (psi)	1813	1600	1600
MOE-Modulus of Elasticity (psi)	326,300	300,000	300,000
IB-Internal Bond (psi)	90	80	60
Face Screw Holding (lbs)	250	250	250
Edge Screw Holding (lbs)	N/A	175	175
Formaldehyde Emissions (ppm)	.20	.20	.20
Flame Spread	20	20	20
Smoke Developed	35	35	35

Underwriters Laboratories, Inc. Classified Wood Particleboard: Surface Burning Characteristics, UL 723-Class 1

TOLERANCES *(applies to both)*

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

Recycled Content Certification:

The particleboard produced in Temple-Inland's Monroeville, Alabama; Hope, Arkansas; Thomson, Georgia; and Diboll, Texas facilities has been certified by the Composite Panel Association as complying to their Environmentally Preferable Product (EPP) specification standard CPA 2-06 to contain 100% recycled and/or recovered fibers.

In addition, this certification verifies Temple-Inland particleboard products conform to both ANSI 208.1 Table B and HUD CFR Part 3280 Formaldehyde Emission Requirements.

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.

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