

Features & Benefits

- Class 1 certified, flame retardant panels
- M2 Properties (ANSI A208.1-2009)
- Meets ANSI A208.1-2009 moisture resistant specifications for grade MR10
- Meets requirements of CARB ATCM 93120 Phase 2 emission limits
- Panel core is dyed red for easy identification as a fire-retardant product



FSC certified panels available upon request

Mill Capabilities

- 4' and 5' widths
- 6', 8', 10', 12' and 14' lengths
- Inquire for custom lengths and widths
- Cut-to-size and special packaging available

Handling & Installation

- Store indoors on a flat, level surface with adequate support to prevent sagging.
- Readily accepts and holds hardware including staples, screws and other fasteners.
- For best results, Encore FR should be conditioned to the environment 48-72 hours prior to installation.

How to Specify

Encore FR, ANSI A208.1-2009 M2 grade particleboard made with no added urea formaldehyde and certified as a Class 1 Flame Retardant panel in accordance with ASTM E84-08 and CAN/ULC-S102 to a Flame Spread of 25 and Smoke Developed of 70.

Painting/Laminating

When choosing a coating or laminate system, confirm compatibility of the paint, laminate or adhesive with the respective manufacturer and ensure the Class 1 flame spread classification of Encore FR will not be adversely affected.

Ideal Applications

LEED® Projects
Schools
Hospitals
Retail
Commercial Interiors
Hotels
Airports

Suitable Uses

Wall sheeting
Cabinetry
Casework
Fixtures
Furniture
Doors
Countertop

Encore™ FR is an environmentally preferable Class 1 flame retardant particleboard panel manufactured from recycled wood fiber. Additives are blended with the wood fiber to provide flame retardant properties throughout the panel. This ensures the flame retardancy isn't compromised when the panel is machined or sanded, resulting in an extra level of protection compared to products made with surface flame retardant coatings. Encore™ FR is produced with no added urea formaldehyde and meets the most stringent emission standards in the world, including the Phase 2 requirements of the California Air Resources Board ATCM 93120. Encore™ FR is available with the option of FSC Chain of Custody certification and has enhanced moisture resistant properties as an added bonus. This product is ideal for LEED® and other environmentally focused building projects requiring Class 1 certified materials.

Technical Data	Imperial	Metric
Density	47 lb/ft ³	753 kg/m ³
Internal Bond	80 lb/in ²	0.55 N/mm ²
Modulus of Rupture	1,950 lb/in ²	13.43 N/mm ²
Modulus of Elasticity	350,000 lb/in ²	2411 N/mm ²
Modulus of Hardness	500 lbs. Janka ball	2224 N
Screw Holding, Face	250 lbs.	1112 N
Screw Holding, Edge	225 lbs.	1001 N
Thickness Tolerance	±0.005 inches	±0.127 mm
Length/Width Tolerance	± 1/16 inch	±1.587 mm
Squareness Tolerance	± 1/8 inch	±3.175 mm
Flame Spread Rating	Class 1 (A)	
Moisture Content	≤ 8%	
Thickness Swell	≤ 5%	
Formaldehyde Emissions	as low as 0.01 ppm	

Average physical properties for 3/4" panel when tested in accordance with ASTM D1037. Specific design applications and technical data are available upon request. Emissions tested in accordance with ASTM E-1333.



FSC Certified (Mixed Credit)

Cert no. SCS-COC-001409 © 1996 FSC



EPP Certified

Specification CPA EPPS 3-08
CARB Approved Third Party Certifier TPC-1



SCS Certified

Post-Industrial Recycled Wood Fiber
No-Added Urea Formaldehyde

LEED® 2009 Credits Supported

Materials & Resources: 4, 5, 7
Indoor Environmental Quality: 4.4

CHPS Compliant

Materials specs - VOC emissions section 01350