



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.

Technical Data	Metric
Density	753kg/m3
Internal Bond	.55 N/mm2
Modulus of Rupture	13.43N/mm2
Modulus of Elasticity	2.411N/mm2
Modulus of Hardness	2224N
Screw Holding, Face	1112 N
Screw Holding, Edge	1001N
Thickness Tolerance	+0.127 mm
Thickness Swell	5%
Length/Width Tolerance	+1.587 mm
Squareness Tolerance	+3.175 mm
Linear Expansion	0.30%
Water Absorption	14%
Flame Spread Rating	Class1 (A)
Moisture Content	8%
Formaldehyde Emissions	As low as 0.001ppm

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.

Encore FR is an environmentally preferable Class 1 flame retardant particleboard panel manufactured from recycled wood fibre. Additives are blended with the wood fibre 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 ATCM93120. 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.

Ideal Applications		Suitable Uses
Schools	Museums	Wall sheeting
Libraries	LEED® Projects	Wainscoting
Hospitals		Display panels
Theatres		Lobby interiors
Offices		Door components

	LEED® 2009 Credits Supported Materials & Resources: 4.1, 4.2, 5.1, 5.2, 7 Environmental Quality: 4.4
	SCS Certified Post-Industrial Recycled Wood Fibre No-Added Formaldehyde
	EPP Certified Specification CPA EPPS 3-08 CARB Approved Third Party Certifier TPC-1
	CHPS Compliant Meets Materials Specifications for VOC emissions section 01350
	FSC Certified (Mixed Credit) Cert no. SCS-COC-001409 © 1996 FSC



Manufactured by



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