

Features & Benefits

- Moisture resistant panel defined as having a 50% reduction in thickness swell per ANSI standards.
- M3 and M2 Industrial Properties (ANSI A208.1)
- Enhanced dimensional stability in high humidity environments.
- Available with high density for critical applications requiring moisture resistance and superior physical properties - such as mezzanine decking.
- Meets requirements of CARB ATCM 93120 Phase 2 emission limits



FSC CoC Certification upon request.

Mill Capabilities

- 4' and 5' widths
- 6', 8', 10', 12' and 14' lengths
- Thicknesses ranging from 3/8" - 1+5/8"
- 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 MR should be conditioned to the environment 48-72 hours prior to installation.

How to Specify

Encore MR, industrial M3 or M2 grade particleboard made with no added urea formaldehyde, which meets the requirements of ANSI A208.1 and grade MR10.

Ideal Applications

LEED® Projects
Laboratories
Kitchen & Bath
Retail Fixtures
Office Furniture
Classrooms
Medical Offices

Suitable Uses

Countertop
Cabinetry
Casework
Shelving
Stairtread

Encore™ MR is a sustainable design particleboard (SDP) engineered for applications requiring higher moisture resistance in interior architectural and casework applications. Encore™ MR 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™ MR is also available with FSC Chain of Custody certification and post-consumer recycled content, making this high performing product ideal for LEED® and other environmentally focused building projects.

Technical Data	Imperial	Metric
Density	47 lb/ft ³	753 kg/m ³
Internal Bond	85 lb/in ²	0.59 N/mm ²
Modulus of Rupture	2,450 lb/in ²	16.88 N/mm ²
Modulus of Elasticity	425,000 lb/in ²	2,928 N/mm ²
Modulus of Hardness	500 lbs. Janka ball	2,224 N
Screw Holding, Face	247 lbs.	1,099 N
Screw Holding, Edge	225 lbs.	1,001 N
Thickness Tolerance	± .005 inches	0.127 mm
Length/Width Tolerance	± 1/16 inch	1.588 mm
Squareness Tolerance	± 1/8 inch	3.175 mm
Flame Spread Rating	Class C	
Moisture Content	< 8%	
Thickness Swell	≤ 5%	
Formaldehyde Emissions	as low as 0.01 ppm	

Average physical properties for 3/4" M3 grade 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.



6 LEED® Credits Supported

Materials & Resources: 4.1, 4.2, 5.1, 5.2, 7
Indoor Environmental Quality: 4.4



FSC Certified (Mixed Credit)

Cert no. SCS-COC-001409
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SCS Certified

Post-Industrial Recycled Wood Fiber
No-Added Urea Formaldehyde

CHPS Compliant

Meets Materials Specifications for VOC emissions section 01350



EPP Certified

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

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