

# SDP

sustainable design particleboard

# encore™

Sustainable Particleboard by SierraPine

## Features & Benefits

- M3 Grade (ANSI A208.1) -- ideal for high and low pressure laminates, wood veneers, vinyls, thin overlays and liquid finishes.
- M2 Grade (ANSI A208.1) for all standard particleboard applications.
- 100% post-consumer wood waste option.
- FSC Certified panels available upon request.

## 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 should be conditioned to the environment 48-72 hours prior to installation.

## How to Specify

Specify Encore M3 Grade or Encore M2 Grade Particleboard manufactured with no urea formaldehyde, which meets the requirements of ANSI A208.1.

## Ideal Applications

LEED® Projects  
Furniture Components  
Countertop  
Retail Fixtures

Cabinetry  
Casework  
Shelving  
Office Furniture

Encore™ is a sustainable design particleboard (SDP) panel utilizing a binding system that contains no urea formaldehyde, thus meeting the most stringent emission standards in the world. SierraPine produces Encore with a choice of wood furnish options; 100% recycled wood, 100% post-consumer wood waste, or FSC certified wood. Encore™, widely available throughout North America, is manufactured in Oregon, California and Georgia.



### Potential of 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

Composite Panel Association  
Environmentally Preferable Product

## Technical Data

### M3 Grade - Springfield, OR

### M2 Grade - Adel, GA

### M2 Grade - Martell, CA

Density	47 lb/ft <sup>3</sup>	47 lb/ft <sup>3</sup>	47 lb/ft <sup>3</sup>
Internal Bond	80 lb/ft <sup>2</sup>	65 lb/ft <sup>2</sup>	65 lb/ft <sup>2</sup>
Modulus of Rupture	2,393 lb/ft <sup>2</sup>	2,103 lb/ft <sup>2</sup>	2,103 lb/ft <sup>2</sup>
Modulus of Elasticity	398,900 lb/ft <sup>2</sup>	326,300 lb/ft <sup>2</sup>	326,300 lb/ft <sup>2</sup>
Modulus of Hardness	500 lbs. Janka ball	500 lbs. Janka ball	500 lbs. Janka ball
Screw Holding, Face	247 lbs	225 lbs	225 lbs
Screw Holding, Edge	225 lbs	202 lbs	202 lbs
Thickness Tolerance	± .005"	± .005"	± .005"
Length/Width Tolerance	± 1/8"	± 1/8"	± 1/8"
Squareness Tolerance	± 1/8"	± 1/8"	± 1/8"
Flame Spread Rating	Class C (3)	Class C (3)	Class C (3)
Moisture Content	< 8%	< 8%	< 8%
Formaldehyde Emissions	as low as 0.01 ppm	as low as 0.01 ppm	as low as 0.01 ppm
Panel Sizes	4' & 5' widths 6, 8, 10, 12 & 14' lengths	4' & 5' widths 4-1/2' - 18' lengths	4' & 5' widths 6, 8, 10, 12, 14, 16' lengths
Thicknesses	3/8" - 1-5/8"	7/16" - 1-1/2"	3/8" - 1-1/4"

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

**SierraPine**  
COMPOSITE SOLUTIONS

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