

Features & Benefits

- Exceeds standard MDF physical properties
- Available in higher densities with a minimum order requirement
- Uniform density ideal for multi-level machining and powder coating
- FSC® certified panels available upon request
- PermaCore is produced with no-added formaldehyde (NAF) and meets the CARB ATCM 93120 Phase 2 emission requirements

Mill Capabilities

- Panels available in 5' widths and lengths up to 18'
- Thicknesses ranging from 5/8" - 1-1/8"
- Minimum order may be required for some sizes

Handling & Installation

- Store indoors on a flat, level surface with adequate support to prevent sagging
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures.
- For best results, PermaCore® should be conditioned to the environment 48-72 hours prior to installation.

How to Specify

Industrial Grade Medium Density Fiberboard (MDF), manufactured with a formaldehyde-free adhesive system which meets the physical properties of ANSI A208.2-2009, Grade 155.

Limitations

PermaCore is not suitable for structural or exterior applications.

Ideal Applications

- LEED® Projects
- Office Furniture
- Cabinetry
- School Furniture
- Moulding

PermaCore® is a sustainable medium density fiberboard (MDF) panel utilizing a formaldehyde-free adhesive system and pre-consumer recycled wood fiber. PermaCore® is engineered to withstand the rigors of powder coating and accommodate a new realm of creative design potential. This panel combines superior composite panel performance with the strength and durability needed for powder coating applications and the benefit of virtually no VOC emissions.

Technical Data	Imperial	Metric
Density	50 lb/ft ³	801 kg/m ³
Internal Bond	170 lb/in ²	1.17 N/mm ²
Modulus of Rupture	5,500 lb/in ²	37.90 N/mm ²
Modulus of Elasticity	550,000 lb/in ²	3,790 N/mm ²
Modulus of Hardness	1,150 lbs, Janka ball	5,115 N
Screw Holding, Face	350 lbs	1,557 N
Screw Holding, Edge	275 lbs	1,223 N
Thickness Tolerance	± 0.005 inch	±0.127 mm
Thickness Swell	3.5%	
Linear Expansion	0.27%	
Water Absorption	6.5%	
Flame Spread Rating	Class C (3)	
Moisture Content	4 - 6%	
Formaldehyde Emissions	as low as 0.01 ppm	

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



FSC® C014647

The mark of sustainable forest management



SCS Certified

Pre-Consumer Recycled Wood Fiber
No-Added Formaldehyde



EPP Certified

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

LEED® 2009 Credits Supported

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

CHPS Compliant

Meets Materials Specifications for
VOC emissions section 01350

SierraPine warrants that its products will meet the specifications applicable to such products in effect at the time of shipment as disclosed to customer and available on SierraPine's website at www.sierrapine.com under Terms & Conditions. Any claim for breach of such warranty must be received by SierraPine within 90 days after delivery of products to customer. SierraPine makes no other warranty or guarantee, either express or implied, including implied warranties of merchantability and of fitness for a particular purpose to the original purchaser or to any subsequent user of the products, except as expressly contained in our Terms & Conditions. In the event state or provincial law precludes exclusion or limitation of implied warranties, the duration of any such warranties shall be no longer than, and the time and manner of presenting any claim hereon shall be the same as, that provided in the express warranty stated therein.