

**Features & Benefits**

- Awarded CARB NAF Exemption due to formaldehyde-free adhesive system. Meets CARB ATCM 93120 Phase 2 emission requirements.
- Class 1 certified MDF with performance characteristics comparable to standard MDF
- Meets physical properties of ANSI A208.2-009, Grade 130
- New York City MEA Approved
- 1/2" and thicker panels meet extended burn requirements
- Core is dyed red for easy identification of fire retardant panel
- FSC® certified panels available upon request

**Mill Capabilities**

Panels available in the following dimensions:

- 4' and 5' widths, lengths up to 18'
- 1/4" - 1-1/4" thicknesses
- Minimum order may be required for some sizes

**Handling & Installation**

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

**Limitations**

Medite® FR is not suitable for exterior or structural applications.

**How to Specify**

Industrial Grade Medium Density Fiberboard (MDF), manufactured with a formaldehyde-free adhesive system and certified as a Class 1 Flame Retardant panel in accordance with ASTM E84-02011A and CAN/ULC-S102M to a Flame Spread of 15.

**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 the Medite® FR panel will not be adversely affected.

**Ideal Applications**

LEED® Projects, Schools, Libraries, Hospitals, Theatres, Offices & Museums

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](http://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. All warranty claims are void if the thickness of the panel is materially modified from the original thickness at time of shipment.

Medite® FR is a sustainable Class 1 flame retardant medium density fiberboard (MDF) panel manufactured from pre-consumer recycled wood, meeting the most stringent formaldehyde emission standards in the world. SierraPine's patented manufacturing process utilizes a formaldehyde-free adhesive system to produce Medite® FR. During processing an additive is blended with the fibers to provide flame-retardant properties throughout the board. Unlike surface flame retardant coatings, the flame retardant properties of Medite® FR aren't compromised when the panel is machined or sanded. Medite® FR is the ideal product for interior applications that require a certified Class 1 product and where certain indoor air quality requirements are specified.

Technical Data	Imperial	Metric
Density	50 lb/ft <sup>3</sup>	801 kg/m <sup>3</sup>
Internal Bond	130 lb/in <sup>2</sup>	.90 N/mm <sup>2</sup>
Modulus of Rupture	3,500 lb/in <sup>2</sup>	24.13 N/mm <sup>2</sup>
Modulus of Elasticity	500,000 lb/in <sup>2</sup>	3,447.4 N/mm <sup>2</sup>
Modulus of Hardness	1200 lbf, Janka ball	545 kg
Screw Holding, Face	250 lbf	1,112 N
Screw Holding, Edge	200 lbf	890 N
Thickness Tolerance	± 0.005 inches	±0.127 mm
Thickness Swell	5%	
Linear Expansion	0.3%	
Water Absorption	15%	
Flame Spread Rating	Class 1 (A)	
Moisture Content	6 - 8%	
Formaldehyde Emissions	as low as 0.01 ppm	

Average physical properties for 3/4" panel, based on a 5 panel average, 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.



**SCS Certified**  
SCS-MC-01093  
Pre-Consumer Recycled  
Wood Content



**SCS Validation**  
SCS-NAF-01329  
No-Added Formaldehyde



**FSC® C014647**  
The mark of responsible  
forestry  
(Available upon request)



**ECC Certified**  
Specification CPA ECC 4-11  
CARB Third Party Certifier TPC-2

**LEED® 2009 Credits Supported**  
Materials & Resources: 4, 5, 7  
Indoor Environmental Quality: 4.4

**CHPS Compliant**  
Meets Materials Specifications for  
VOC emissions section 01350



\*\* For panels produced on or after 9/6/12 \*\*

**SierraPine**  
COMPOSITE SOLUTIONS

800-676-3339

1050 Melody Lane, Suite 160, Roseville, CA 95678  
[www.sierrapine.com](http://www.sierrapine.com)