

### 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 A208.2-2009, Grade 130
- New York City MEA Approved
- 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 external 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 E84-09 and CAN/ULC-S102M to a Flame Spread of 25 or less and Smoke Developed of 50 or less.

### 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.

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	48 lb/ft <sup>3</sup>	769 kg/m <sup>3</sup>
Internal Bond	130 lb/in <sup>2</sup>	.90 N/mm <sup>2</sup>
Modulus of Rupture	3,130 lb/in <sup>2</sup>	22 N/mm <sup>2</sup>
Modulus of Elasticity	380,000 lb/in <sup>2</sup>	2,618 N/mm <sup>2</sup>
Modulus of Hardness	750 lbs, Janka ball	340 kg
Screw Holding, Face	250 lbs	1,112 N
Screw Holding, Edge	200 lbs	890 N
Thickness Tolerance	± 0.005 inches	±0.127 mm
Thickness Swell	3%	
Linear Expansion	0.30%	
Water Absorption	14%	
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.



#### 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

