

Features & Benefits

- Awarded CARB NAF Exemption due to formaldehyde-free adhesive system
- Class 1 certified MDF with performance characteristics comparable to standard MDF
- Meets CARB ATCM 93120 Phase 2 emission limits
- Meets 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

Some items may have a minimum order requirement

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.
- Readily accepts and holds hardware including staples, screws and other fasteners. It is recommended to pre-drill pilot holes not less than 1" from the edge on the face of the panel, or 2+1/2" from the corners when used in the edge of the panel before fastening with hardware. Additionally, hardware should be spaced at least 6" apart to reduce the risk of splitting.

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-102M to a Flame Spread of 25 or less and Smoke Developed of 50 or less.

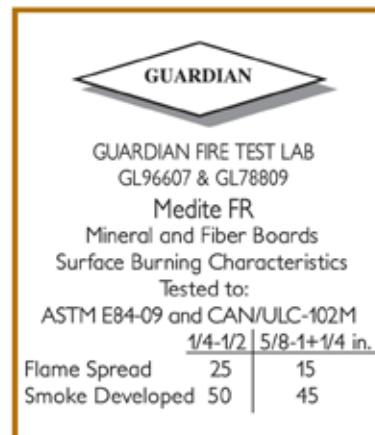
Painting/Laminating

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.

Medite® FR is a sustainable Class 1 flame retardant medium density fiberboard (MDF) panel manufactured from post-industrial 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 ³	769 kg/m ³
Internal Bond	130 lb/in ²	.90 N/mm ²
Modulus of Rupture	3,130 lb/in ²	22 N/mm ²
Modulus of Elasticity	380,000 lb/in ²	2,618 N/mm ²
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 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 Certified (Mixed Credit)
Cert no. SCS-COC-001409 © 1996 FSC



SCS Certified
Post-Industrial Recycled Wood Fiber
No-Added Formaldehyde



EPP Certified
Specification CPA EPPS 3-08
CARB Approved 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

Ideal Applications

- LEED® Projects
- Schools
- Libraries
- Hospitals
- Theatres
- Offices
- Museums

Suitable Uses

- Wall sheeting
- Wainscotting
- Display panels
- Lobby interiors
- Door components
- Countertops
- Doors