

Features & Benefits

- Awarded CARB NAF Exemption due to synthetic resin 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
- FSC® certified panels available upon request
- LEED® 2009 Credits Supported:
 - Materials and Resources: 4, 5, 7
 - Indoor Environmental Quality: 4.4
- LEED® v4 Credits Supported
 - Indoor Environmental Quality - *Low-Emitting Materials: Composite Wood Evaluation*
 - Materials & Resources - *Building Product Disclosure and Optimization*
 - Sourcing of Raw Materials
 - Material Ingredients
 - Environmental Product Declaration

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 and thicknesses

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 synthetic resin system and certified as a Class 1 Flame Retardant panel in accordance with ASTM E84-02011A.

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. Before use remove any dust from surface of panels.

Ideal Applications

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

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. Our patented manufacturing process utilizes a synthetic resin system to produce Medite® FR. During processing, an additive is blended with the fibers to provide flame-retardant properties throughout the board. Unlike surface topical 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. Manufactured in Medford, OR

Technical Data	3/8"	3/4"
Density	50 lb/ft ³	50 lb/ft ³
Internal Bond	180 lb/in ²	130 lb/in ²
Modulus of Rupture	4,200 lb/in ²	4,000 lb/in ²
Modulus of Elasticity	450,000 lb/in ²	450,000 lb/in ²
Modulus of Hardness	1300 lbf, Janka ball	1200 lbf, Janka ball
Screw Holding, Face	N/A	250 lbf
Screw Holding, Edge	N/A	200 lbf
Thickness Tolerance	± 0.005 inches	± 0.005 inches
Thickness Swell	0.03"	10%
Linear Expansion	0.3%	0.3%
Flame Spread Rating	Class 1 (A)	Class 1 (A)
Moisture Content	6 - 9%	6 - 9%
Formaldehyde Emissions	low as 0.01 ppm	low as 0.01 ppm

Average physical properties for 3/8" and 3/4" panels, 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
82% Pre-Consumer
Recycled Content



SCS Validation
No Added Formaldehyde



FSC-C017580
The mark of responsible forestry
(Available upon request)



ECC Certified
Specification CPA ECC 4-11
CARB Third Party Certifier TPC-1

GUARDIAN

www.firetesting.com
GL 049215
Medite FR
Mineral and Fiber Boards
Surface Burning Characteristics
Tested to:
CAN/ULC-S102-10
1/2 in - 1-1/4 in.
Flame Spread 10
Smoke Developed 5

GUARDIAN

www.firetesting.com
GL 067515
Medite FR
Mineral and Fiber Boards
Surface Burning Characteristics
Tested to:
ASTM E84-14
1/4 in - 1-1/4 in.
Flame Spread 15
Smoke Developed 5

GUARDIAN

www.firetesting.com
GL 055816
Medite FR
Mineral and Fiber Boards
Extended Duration Surface
Burning Characteristics
Tested to:
ASTM E-2768-11
1/2 in - 1-1/4 in.
MEETS CONDITIONS OF
CLASSIFICATION

541-784-4070