SDF

sustainable design fiberboard

medite FR®

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 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^3	801 kg/m^3
Internal Bond	130 lb/in^2	.90 N/mm^2
Modulus of Rupture	3,500 lb/in^2	24.13 N/mm^2
Modulus of Elasticity	500,000 lb/in^2	3,447.4 N/mm^2
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)

CHPS Compliant
Meets Materials Specifications for VOC emissions section 01350

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

GUARDIAN
GUARDIAN FIRE TEST LAB
GL35112-1 & GL47512
Medite FR
Mineral and Fiber Boards
Surface Burning Characteristics
Tested to:
ASTM E84-02011A
and
CAN/ULC-S102M
1/4 in. - 1-1/4 in.
Flame Spread 15
Smoke Developed 120

** 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

© 2013 SierraPine 05/13