

**ROSEBURG PROUDLY**

*Presents*

The most technically diverse line of MDF products in North America. From moisture resistant to flame retardant to no-added formaldehyde, Roseburg has an MDF panel to suit your every need. Working on a LEED® Project? You'll be pleased to know that all of Roseburg MDF may contribute to points for Materials & Resources - Recycled Content. In addition, we have a line of Sustainable Design Fiberboard products that contribute to Indoor Environmental Quality points due to our manufacturing process that uses a formaldehyde free binder system.

*arreis*®

**medite® II**

**medex®**

medite FR®

**medite®**

**medite® 3D**

**PermaCore®**

**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
- 5/8" 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 <sup>3</sup>	50 lb/ft <sup>3</sup>
Internal Bond	180 lb/in <sup>2</sup>	130 lb/in <sup>2</sup>
Modulus of Rupture	4,200 lb/in <sup>2</sup>	4,000 lb/in <sup>2</sup>
Modulus of Elasticity	450,000 lb/in <sup>2</sup>	450,000 lb/in <sup>2</sup>
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



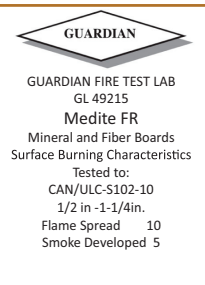
SCS Validation  
No Added Formaldehyde



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



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



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