

# Arreis®

## MDF

MEDFORD, OR

TECHNICAL DATA	IMPERIAL	METRIC
<b>Widths</b>	4 & 5 ft	1.22 & 1.52 m
<b>Lengths</b>	up to 18 ft	up to 5.49 m
<b>Thicknesses</b>	1/4 – 1-1/2 in	6.35 – 38.1 mm
<b>Density</b>	47 lbs/ft <sup>3</sup>	753 kg/m <sup>3</sup>
<b>Internal Bond</b>	160 psi	1.10 Nmm <sup>2</sup>
<b>Modulus of Rupture/MOR</b>	3,800 psi	26.2 Nmm <sup>2</sup>
<b>Modulus of Elasticity/MOE</b>	420,000 psi	4,448 Nmm <sup>2</sup>
<b>Hardness/MOH</b>	1,000 lbs	4,448 N
<b>Screw Holding – Face</b>	225 lbs	1,001 N
<b>Screw Holding – Edge</b>	200 lbs	890 N
<b>Thickness Swell</b>	5%	
<b>Linear Expansion</b>	0.30%	
<b>Moisture Content</b>	4 – 8%	
<b>Flame Spread Rating</b>	Class C (3)	
<b>Dimensional Tolerances:</b>		
Length/Width	±0.080 in	±2.0 mm
Squareness	±0.036 in/ft	±3.0 mm/m
Thickness – panel average from specified	±0.005 in	±0.125 mm
Thickness – variance from panel average	±0.005 in	±0.125 mm

Values represent averages for 3/4" thick panels. Mechanical properties are tested in accordance with ASTM D1037.

Customer-specified grades are available by request and subject to minimum order quantities.

## MEDIUM DENSITY FIBERBOARD

Made with no added formaldehyde (NAF).

## COMMON APPLICATIONS

- Cabinetry
- Furniture
- Retail displays
- General lamination (TFL, veneer)
- Wall cladding
- Store fixtures

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### STANDARDS & CERTIFICATIONS

Roseburg Arreis MDF is tested and certified to meet or exceed the following standards and certifications.

#### ANSI A208.2 - American National Standard – Medium Density Fiberboard (MDF) for Interior Applications

- ✓ Meets or exceeds ANSI A208.2 Grade 130
- ✓ Meets grade MR10 moisture resistance on  $\geq 0.591$  in (15mm)

#### Formaldehyde Emissions Regulations – Third party certified (TPC-1) to meet the requirements of:

- ✓ EPA Formaldehyde Emission Regulation, TSCA Title VI\*
- ✓ Standards Council of Canada Formaldehyde Emissions Standard for Composite Wood Products – CAN/CSA 0160-16\*
- ✓ No Added Formaldehyde (NAF) Exempt - State of CA Executive Order N-20-313\*

#### No Added Formaldehyde

- ✓ Scientific Certification Systems Validated (SCS-NAF-01329)\*

#### Recycled Content

- ✓ Scientific Certification Systems Certified 92% pre-consumer recycled content (SCS-MC-01584)\*

#### Environmental Product Declaration

- ✓ Type III Product Specific EPD Certified by UL Environment

#### Forest Stewardship Council®

- ✓ Scientific Certification Systems Certified (SCS-COC/CW-00300) – FSC-C017580 FSC® Mix and FSC® Controlled Wood - AVAILABLE OPTION\*

#### ASTM E84 – Standard test method for surface burning characteristics of building materials

- ✓ Guardian Fire Testing Laboratories Certified, Class C Rating (GL-6-2-17-Z)\*

#### Eco-Certified Composite Grademark Program

- ✓ CPA ECC Sustainability Standard\*

\*Certificates and documentation available at [Roseburg.com](http://Roseburg.com)

### GREEN BUILDING SUPPORT:

For LEED® and other green building support documentation, visit [roseburg.com/product/arreis](http://roseburg.com/product/arreis)



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