

# Armorite™

## EXTERIOR MDF

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 - 1-1/4 in	6.35 - 31.8 mm
<b>Density</b>	45 lbs/ft <sup>3</sup>	721 kg/m <sup>3</sup>
<b>Internal Bond</b>	200 psi	1.38 Nmm <sup>2</sup>
<b>Modulus of Rupture/MOR</b>	4,000 psi	27.6 Nmm <sup>2</sup>
<b>Modulus of Elasticity/MOE</b>	400,000 psi	2,760 Nmm <sup>2</sup>
<b>Hardness/MOH</b>	1,200 lbs	5,338 N
<b>Screw Holding – Face</b>	325 lbs	1,446 N
<b>Screw Holding – Edge</b>	280 lbs	1,245 N
<b>Thickness Swell</b>	≤ 5.0% (AC424)	
<b>Linear Expansion</b>	0.25% max	
<b>Moisture Content</b>	4 - 6%	
<b>Water Absorption</b>	≤ 10.0% (AC424)	
<b>Advanced Bond Integrity</b> <small>(strength retention after 6-cycle accelerated aging)</small>	95% (per ANSI MR50) 70% (per AC424)	
<b>Rot Resistance</b> <small>(AWPA E-10 soil block test)</small>	0 - 1.4% weight loss	
<b>Termite Resistance</b> <small>(AWPA E-26 ground proximity termite test)</small>	> 9.0	
<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 target averages for typical 3/4" thickness. Mechanical properties are tested in accordance with ASTM D1037.

Customer or ANSI Grade specified products are available by request and subject to minimum order quantities.



\*Code report (ICC-ES Evaluation Report ESR-4012) covers thickness range of 1/2" - 1.181" (12.7 - 30 mm)

### EXTERIOR MEDIUM DENSITY FIBERBOARD

Exterior grade, no-added formaldehyde MDF panels that resist rot, decay, and insects.

### COMMON APPLICATIONS

- For high-humidity climates
- For above-ground exterior applications
- Bathroom cabinetry
- Countertops
- Exterior signage
- Garage doors
- Non-structural paint-grade millwork
- Outdoor games and sports
- Outdoor kitchens
- Raised panels
- Shutters



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Exterior Medium Density  
Fiberboard | Medford, OR

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## EXTERIOR MDF

### STANDARDS & CERTIFICATIONS

Roseburg Armorite Exterior 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 MR50 moisture resistance
- ✓ Exceeds requirements of ASTM D1037 six cycle accelerated aging test

#### 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\*

#### International Code Council Evaluation Service

- ✓ ICC-ES Evaluation Report ESR-4012 ([www.icc-es.org](http://www.icc-es.org))

#### ISO 21887 Durability of wood use class UC3A

- ✓ Recognized for exterior use in above-ground applications. Resists attack by fungal decay and subterranean termites, including Formosan termites

#### Recycled Content

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

#### Forest Stewardship Council®

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

#### Eco-Certified Composite Grademark Program

- ✓ CPA ECC Sustainability Standard\*

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