

Armorite®

EXTERIOR MDF

MEDFORD, OR

TECHNICAL DATA		
Widths*	4 & 5 ft	1.22 & 1.52 m
Lengths*	up to 18 ft	up to 5.49 m
Thicknesses**	1/4 – 1-1/4 in	6.35 – 31.80 mm
Density	45 lbs/ft ³	721 kg/m ³
Internal Bond	200 psi	1.38 N/mm ²
Modulus of Rupture/MOR	4,000 psi	27.6 N/mm ²
Modulus of Elasticity/MOE	400,000 psi	2,760 N/mm ²
Hardness/MOH	1,200 lbs	5,338 N
Screw Holding – Face***	325 lbf	1,446 N
Screw Holding – Edge***	280 lbf	1,245 N
Thickness Swell	≤ 5.0% (AC424)	
Linear Expansion	0.25% max	
Moisture Content	4 – 6%	
Water Absorption	≤ 10.0% (AC424)	
Advanced Bond Integrity (strength retention after 6-cycle accelerated aging)	95% (per ANSI MR50) 70% (per AC424)	
Rot Resistance (AWPA E-10 soil block test)	0 – 1.4% weight loss	
Termite Resistance (AWPA E-26 ground proximity termite test)	> 9.0	
Flame Spread Rating	Class C (3)	
Dimensional Tolerances:		
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

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

Values represent averages for 3/4" panels. Physical properties may vary by thickness. All 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.

*Actual length and width panel dimensions are one inch longer than stated size.



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

***Note: panels less than 3/8" are not tested for Screw Holding.

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STANDARDS & CERTIFICATIONS

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

Moisture Resistant

- ✓ 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 – N-24-313A*

International Code Council Evaluation Service

- ✓ ICC-ES Evaluation Report ESR-4012 (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

- ✓ Third-party certified 90.5% pre-consumer recycled content.

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



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