Armorite™

EXTERIOR MDF

TECHNICAL DATA	IMPERIAL	METRIC
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 – 31.8 mm
Density	45 lbs/ft³	721 kg/m³
Internal Bond	200 psi	1.38 Nmm²
Modulus of Rupture/MOR	4,000 psi	27.6 Nmm²
Modulus of Elasticity/MOE	400,000 psi	2,760 Nmm²
Hardness/MOH	1,200 lbs	5,338 N
Screw Holding – Face	325 lbs	1,446 N
Screw Holding – Edge	280 lbs	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

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.

ICC ES *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

Roseburg

3660 Gateway St, Springfield, OR 97477
800.245.1115 | **roseburg.com**

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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)
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	

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