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/ft³	721 kg/m³
Internal Bond	200 psi	1.38 N/mm²
Modulus of Rupture/MOR	4,000 psi	27.6 N/mm²
Modulus of Elasticity/MOE	400,000 psi	2,760 N/mm²
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 Squareness Thickness – panel average from specified Thickness – variance from panel average	±0.080 in ±0.036 in/ft ±0.005 in ±0.005 in	±2.0 mm ±3.0 mm/m ±0.125 mm ±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.

*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.

Armorite®

EXTERIOR MDF

MEDFORD, OR

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

Roseburg

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

ARMORITE 082324