

# Armorite®

EXTERIOR MDF



Designed for exterior applications and high-humidity environments, Armorite® Exterior MDF is the latest innovation from the manufacturer known for technical expertise in MDF and for producing specification-grade Medex®, Medite® FR, and Arreis® Ultra.

MAKING LIVES BETTER FROM THE GROUND UP.



# Armorite® Exterior MDF Engineered for the Elements

Unlike standard MDF that is for dry locations only, Armorite® Exterior MDF is engineered and designed for exterior applications including outdoor living spaces, signage, trim, cabinets, and for high-humidity environments such as bathrooms and mudrooms. Built to stand tough, Armorite® is manufactured with a formaldehyde-free resin, resists water (MR50 rating) and uses zinc borate to prevent rot, decay, and termites.

GARAGE DOORS

RAISED PANEL SHUTTERS



MUDROOMS, KITCHEN AND  
BATHROOM CABINETS

## ABOVE-GROUND EXTERIOR APPLICATIONS



## SIGNAGE



## NON-STRUCTURAL PAINT- GRADE MILLWORK

## SUPERIOR DESIGN – SUPERIOR MDF

Because Armorite® is made with 100% Western softwoods, its structure consists of shorter and finer wood fibers than competitors' MDF. This unique fiber construction provides multiple advantages for builders and craftspeople, including:



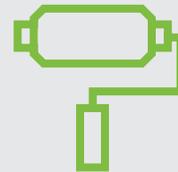
### Faster project turnaround.

When cut, traditional MDF is usually fuzzy and needs sanding and priming. Armorite® routes and finishes without the need for sanding and priming, meaning fewer finishing steps.



### Superior machinability and less wear-and-tear on your equipment.

Armorite® is easy to cut, meaning less wear on router bits, saw blades, drill bits, and other equipment.



### Better paint coverage.

Armorite® fibers offer a lighter color than most MDF products and produce a smooth surface so paint goes on easily.



### Easier fastening.

The consistent fiber density of Armorite® minimizes under-driven nails and means less flaking and no mushrooming around fasteners.



### Exceptional warranty coverage.

When properly finished, Armorite® is backed by a 10-year warranty for exterior use.



# Armorite® Brings the Latest Trends to Life



Outdoor living spaces are more popular, and more valuable for homeowners, than ever before. The latest must-have spaces that bring the comfort of indoor living to the outdoors include outdoor dining rooms, outdoor kitchens and bars, outdoor living rooms, and screened rooms. Designed for exterior applications, Armorite® Exterior MDF helps bring outdoor living projects to life.



# Armorite® Stands Up to the Competition

Armorite® delivers superior performance compared to other exterior panel products.

	ARMORITE®	EXTIRA®	NEXOS
<b>NAF (No Added Formaldehyde)</b>	Yes	No	Yes
<b>Rot/Decay Resistant</b>	Yes	Yes	No
<b>Termite Resistant</b>	Yes	Yes	No
<b>Code Report</b>	ESR-4012	ESR-3043 (MiraTEC®)	None
<b>Machining</b>	Best	OK	Not Assessed
<b>Paintability/Finishing</b>	Best	OK	Not Assessed



# Armorite® by the Numbers

Detailed technical information illustrates the innovation and industry-leading expertise behind every Armorite® panel.

TECHNICAL DATA		
<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 – 31.80 mm
<b>Density</b>	45 lbs/ft <sup>3</sup>	721 kg/m <sup>3</sup>
<b>Internal Bond</b>	200 psi	1.38 N/mm <sup>2</sup>
<b>Modulus of Rupture/MOR</b>	4,000 psi	27.6 N/mm <sup>2</sup>
<b>Modulus of Elasticity/MOE</b>	400,000 psi	2,760 N/mm <sup>2</sup>
<b>Hardness/MOH</b>	1,200 lbs	5,338 N
<b>Screw Holding – Face***</b>	325 lbf	1,446 N
<b>Screw Holding – Edge***</b>	280 lbf	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> (strength retention after 6-cycle accelerated aging)	95% (per ANSI MR50) 70% (per AC424)	
<b>Rot Resistance</b> (AWPA E-10 soil block test)	0 – 1.4% weight loss	
<b>Termite Resistance</b> (AWPA E-26 ground proximity termite test)	> 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 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.

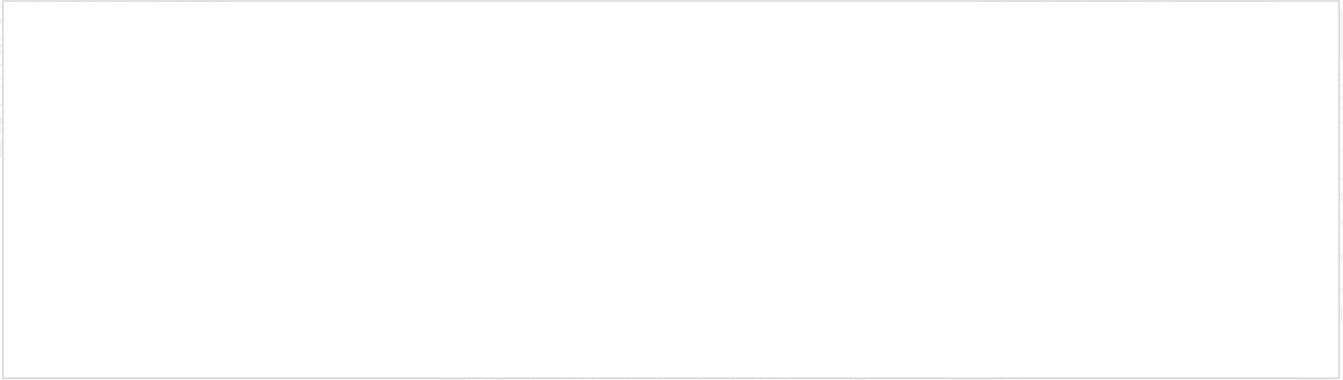
[Click here](#) for Finishing Guidelines.

# Sustainable Performance

Armorite® is tested to ensure panels meet or exceed the following standards and certifications.

STANDARDS & 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 ( <a href="http://www.icc-es.org">www.icc-es.org</a> )
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 <a href="http://Roseburg.com">Roseburg.com</a>	

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