

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.

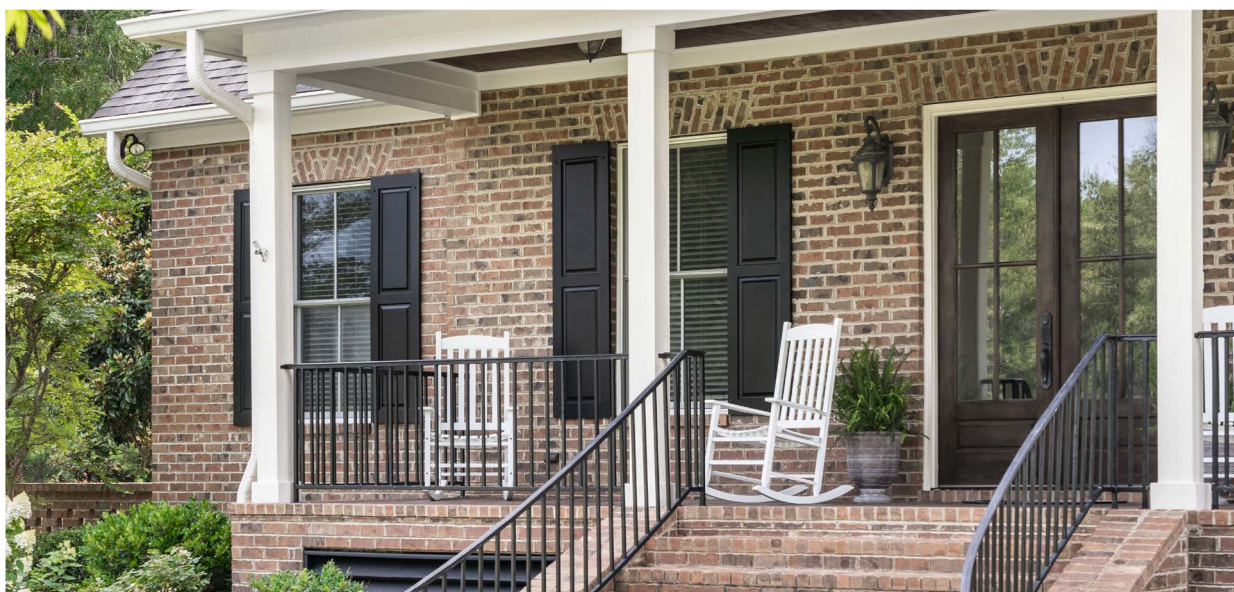
MAKING LIVES BETTER FROM THE GROUND UP.



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. Armorite® Exterior MDF is designed to withstand tough conditions. It is made with no-added formaldehyde (NAF), meets the MR50 moisture resistance grade, and is resistant to rot, decay, and insects.

RAISED PANEL SHUTTERS AND COLUMN WRAPS



MUDROOMS, KITCHEN AND BATHROOM CABINETS

NON-STRUCTURAL PAINT- GRADE MILLWORK



SIGNAGE



OUTDOOR LIVING - KITCHEN

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:



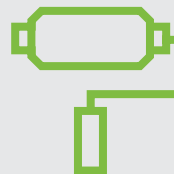
Faster project turnaround.

When cut, standard MDF may require additional sanding and priming. Armorite® Exterior MDF routes and finishes without the need for extra sanding, saving you time.



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.

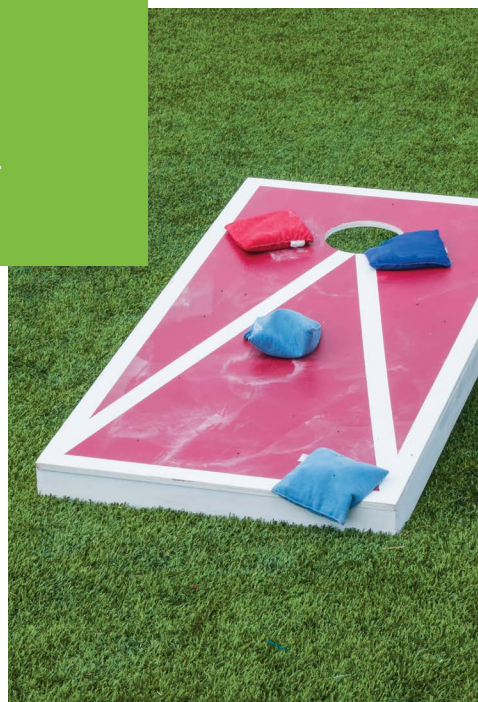
When properly finished, Armorite® is backed by a 10-year warranty for exterior use.



Armorite® Brings the Latest Trends to Life



Outdoor living spaces have become increasingly popular and valuable for homeowners. The latest trends highlight essential features that extend indoor comfort to the outdoors, including outdoor dining rooms, kitchens and bars, living rooms, and screened rooms. Designed specifically for exterior applications, Armorite® Exterior MDF will enhance your outdoor living projects.



Armorite® Stands Up to the Competition

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

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



Armorite® by the Numbers

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

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

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.

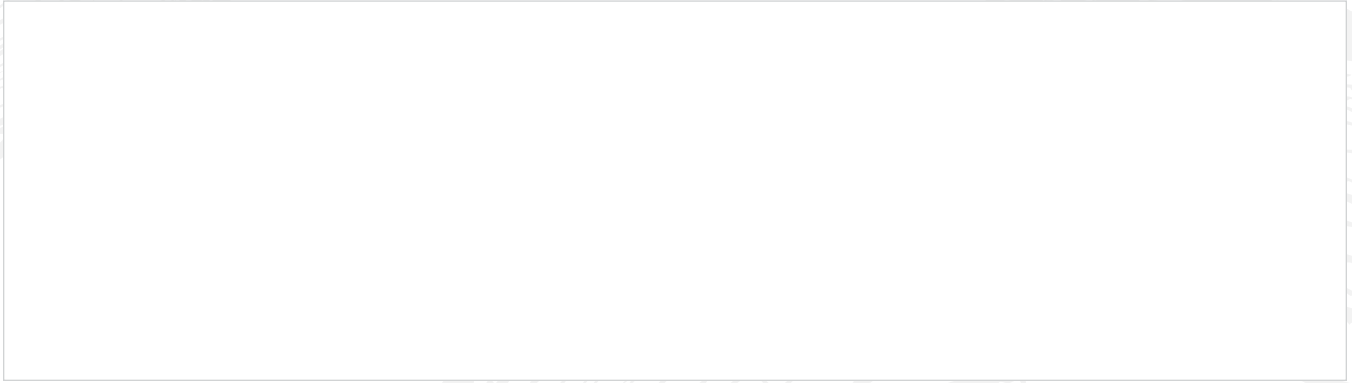
[Click here](#) for Finishing Guidelines.

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 (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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