

Tested to Perform: Armorite™ Exterior MDF

Specifically engineered for outdoor applications and high-humidity environments, Armorite™ Exterior MDF offers the versatility and durability you need for signage, exterior trim, outdoor living spaces, shutters, sheds, bathrooms, mudrooms, and more. Manufactured with Western softwoods and a formaldehyde-free resin, Armorite™ resists water (MR50 rating) and uses zinc borate to prevent rot, decay, and termites.

- Paintable and superior machinability
- 5% maximum thickness swell
- Meets or exceeds the requirements for the Advanced Bond Integrity test for AC424 and ANSI A208.2 (MR50)
- Third-party certified by the International Building Council – Code Report ESR4012
- 10-year prorated warranty
- Product requires finishing – see [Armorite Finishing Guidelines](#)
- Armorite is not waterproof or mildew resistant



	ARMORITE™	EXTIRA®	NEXOS
NAF (No Add 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 (poor reputation)	Not Assessed
Paintability/Finishing	Best	OK (difficult adhesion)	Not Assessed

Decay and Insect Resistance Performance

Using a scale of 1-10 (with 10 being the best), Michigan Tech researchers found that Armorite™ Exterior MDF performs well against other substrates. Materials were tested in Hilo, Hawaii to assess performance in hot, humid environments.

VISUAL RATINGS FOR PERFORMANCE BLOCKS EXPOSED IN AN AWPA E18 TEST							
		Substrate	Armorite™	Medex®	Extira®	Douglas-fir	Southern Pine
Year	Month	Exposure (#Months)	Visual Decay Ratings				
2016	November	Installed					
2017		12	10	9.6	10	7.6	8.7
2018		24	9.3	8.6	9.3	4.6	7.7
2019		36	8.1	5.6	6.1	3.4	4.0
2020		48	7.4	4.8	4.6	2.3	3.8
Year	Month	Exposure (#Months)	Visual Insect Ratings				
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2018		24	10	9.1	9.9	8.0	8.6
2019		36	9.8	8.6	9.4	7.0	7.9
2020		48	9.0	7.5	9.1	6.6	7.1

Source: Research provided by Michigan Tech, 2016-2020