

Whalelite®

The Original Composite Backing Plate



Whalelite® is not just a standard commodity-grade high pressure laminate with an abraded surface, Whalelite is a highly engineered phenolic backing plate with a surface specifically designed for the ultimate adhesion to fiberglass.

Whalelite is the ideal replacement for aluminum backing plates. Not only does Whalelite provide for an easy no-prep fiberglass lamination, it will eliminate electrolysis because of dissimilar metals.

When compared to marine plywood, aluminum, stainless steel, compact laminate, HDPE, or fiberglass board, Whalelite boasts effortless machining and fabrication, while drastically minimizing tool wear. Its outstanding compressive strength, screw retention, and adhesion to fiberglass make Whalelite the preferred backing plate.

Manufacturing Tolerances

Thickness (+/- 4%)	+/- .010" at .25"
	+/- .015" at .375"
	+/- .020" at .5"
	+/- .025" at .625"
	+/- .030" at .75"

Contact us

Whalelite®

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253-383-5533 | richlite.com/whalelite



Benefits

- NAUF resin
- High compressive strength
- Superb fiberglass adhesion
- Excellent water resistance
- Corrosion resistant
- 50% the weight of Aluminum
- Made in the USA

Applications

- Bow Eyes
- Cleats
- Seat / Table Mounts
- Blind fasteners
- Rail Stanchions
- Swim Platform reinforcement



Learn More





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Marine / Backing Plate Specific Data

	Test Method	Units	Results (1/2" Material)
Water Absorption	ASTM D570	%	1.55%
Screw Retention (#14 Screw)	ASTM D6117	lb	1,418

Fire Test Data

	Test Method	Units	Results
Fire Rating	UL 723 / ASTM E84	Class	A
Flash Ignition Temp	ASTM D1929	Flaming	662F / 350 C
Spontaneous Ignition Temp	ASTM D1929	Glowing	806F / 430 C

Physical Properties

	Test Method	Units	Results
Density	ASTM D6111	lbs/ft3	72
Tensile Strength	ASTM D3039	psi	MD = 19,200 CD = 13,100
Compressive Strength	ASTM D695	psi	Face = 30,000
Flexural Strength	ASTM D790	psi	MD = 22,000 CD = 17,300
Flexural Modulus	ASTM D790	psi	MD = 2,180,000 CD = 1,400,000
Hardness	ASTM D2240-05	Shore D	90