

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.

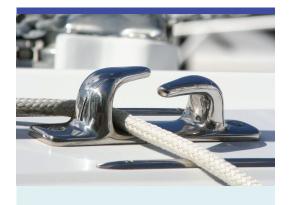
When compared to marine plywood, aluminum, stainless steel, compact laminate, HDPE, or fiberglass board, Whalelite boasts effortless machining and fabrication, while drastically minimizing tool wear. Its outstanding compressive strength, screw retention, and adhesion to fiberglass make Whalelite the 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® 624 E 15th St., Tacoma, WA 98421 253-383-5533 I 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











## **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