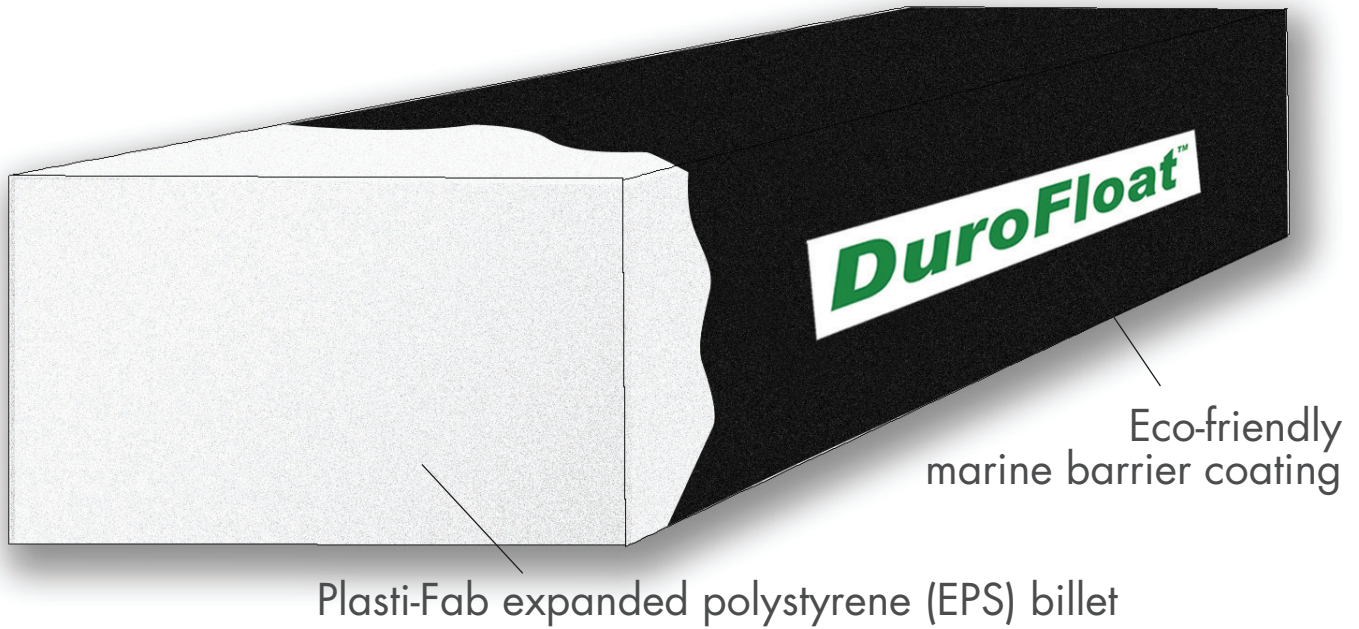
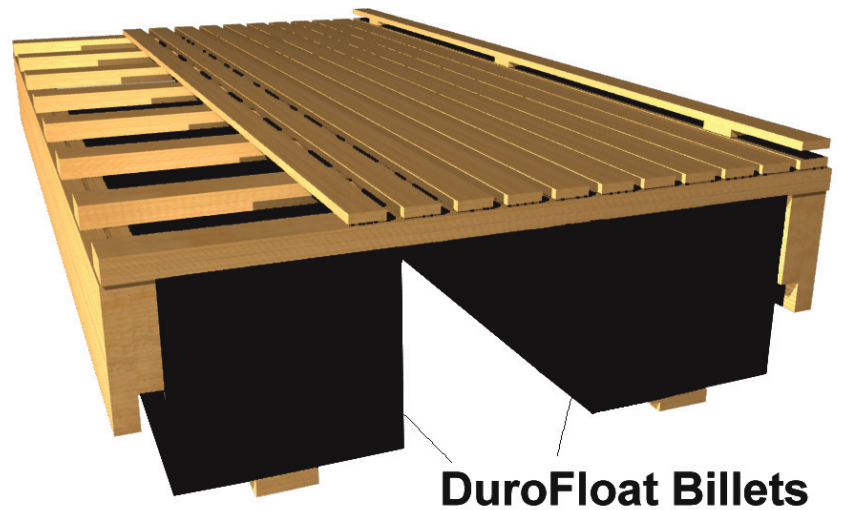


DuroFloat® Flotation Billets FOR DOCKS OR MARINAS



Size 10" x 20" x 96"	Lift (Buoyancy Force) 610 lbs.
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Other sizes available upon request.



Features & Benefits

- 8-foot-long billet for a more stable, dock
- Marine barrier coating provides protection from mammals, aquatic life & weather
- Resists punctures, water, UV rays and petroleum for low maintenance & long life
- Marine barrier coat

DuroFloat® Flotation Billets FOR DOCKS OR MARINAS



The DuroFloat® billet consists of closed cell expanded polystyrene (EPS) with eco-friendly marine barrier coating. The marine barrier coating resists petroleum spills, UV deterioration and provides protection from mammals, aquatic life and weather.

The closed cell billets are produced in a standard size of 10" x 20 "x 96 " and can be used as a flotation medium for a variety of designs for docks, marinas and rafts.

Construction General

Use cedar or treated fir lumber.

All nails, bolts, and hardware should be hot dip galvanized after forming or made from non-corroding material.

Decide on a convenient length of section in which to build the dock and choose the method of attaching billets. See Plasti-Fab PIB 273 for typical construction details.

Framing

Lay two 38 mm x 140 mm (2" x 6") members on edge at a distance apart equal to the finished width of the dock less 75 mm (3").

Cut cross members to size and nail to 38 mm x 140 mm (2" x 6") members on 600 mm (24") centres to make up the section of the dock. Place diagonal bracing to complete the section frame.

Billets

Place billets in frame by one of the methods shown on page 3 of the PlastiSpan Flotation Billets brochure "Buoyancy Systems – Selection, Application and Specification."

Decking

Nail decking onto top of cross members at this time, with edge of deck flush with outer edge of the 38 mm x 140 mm (2" x 6") frame.

OR

Leave decking off until dock is in position. Nail decking on after the dock is assembled, with staggered joints to make a stronger dock.

OR

Nail decking on at edges with centreboards left out to facilitate installation of utility lines.

Weight and Buoyancy Force of Lumber

Lumber Size mm (in)	Western Red Cedar		Douglas Fir	
	Weight kg/m (lb/ft)	Buoyancy kg/m (lb/ft)	Weight kg/m (lb/ft)	Buoyancy kg/m (lb/ft)
38 x 89 (2 x 4)	1.31 (0.88)	1.62 (1.09)	1.95 (1.31)	1.09 (0.73)
38 x 140 (2 x 6)	2.05 (1.38)	2.56 (1.72)	3.07 (2.06)	1.71 (1.15)
38 x 191 (2 x 8)	2.80 (1.88)	3.48 (2.34)	4.18 (2.81)	2.32 (1.56)
38 x 241 (2 x 10)	3.54 (2.38)	4.42 (2.97)	5.30 (3.56)	2.95 (1.98)
38 x 292 (2 x 12)	4.29 (2.88)	5.34 (3.59)	6.41 (4.31)	3.57 (2.40)
19 x 89 (1 x 4)	0.65 (0.44)	0.80 (0.54)	0.97 (0.65)	0.54 (0.36)
19 x 140 (1 x 6)	1.03 (0.69)	1.28 (0.86)	1.53 (1.03)	0.85 (0.57)
19 x 191 (1 x 8)	1.40 (0.94)	1.74 (1.17)	2.08 (1.40)	1.16 (0.78)
89 x 89 (4 x 4)	3.04 (2.04)	3.79 (2.55)	4.55 (3.06)	2.53 (1.70)
kg/m ³ lb/ft ³	385 24	481 30	577 36	321 20

Note: If DuroFloat® flotation billets are to be wrapped or covered for storage outdoors with direct exposure sunlight, use opaque, non-transparent wrap to avoid degradation of billets due to heat buildup within wrap.



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