



Crawdad 12x33

Length: 12' (3.7 m)

Max Beam: 30" (838)

Est Hull Weight: 40-55 lbs. (18-25 k)

Max. load on board: 375 lbs (170 k)



## Bill of Materials – Crowdad 12x33

*Note: This is the minimum material needed including a 15% waste factor for resin and wood flour. 10% waste factor for fiberglass. Some builders will require more epoxy than others.*

### Build Options:

**Option #1:** Fiberglass cloth interior and exterior hull

**Option #2:** Fiberglass cloth hull exterior. Fiberglass tape hull interior.

**Option #3:** Fiberglass tape for entire hull.

<u>Marine Plywood:</u> 4' x 8' [122 cm x 244 cm],	Option 1 & 2	3 each, 4 mm thick	
	Option 3	2 each, 4 mm thick	
		1 each, 6mm thick	

<u>Epoxy Resin (and hardener):</u>	Option 1:	1.75 gallons	6.6 L
	Option 2:	1.5 gallons	5.6 L
	Option 3:	1.25 gallons	4.7 L

<u>Fiberglass Tape</u> , 6 ounce, 3" [170gm <sup>2</sup> , 10 cm]	Option 1:	n/a	
	Option 2:	35 yards	32 m
	Option 3:	70 yards	64 m

<u>Fiberglass Cloth</u> , 6 ounce, 50" [170gm <sup>2</sup> , 127 cm]	Option 1:	9 yards	8.2 m
	Option 2:	4.5 yards	4.1 m
	Option 3:	n/a	

<u>Wood Flour/Epoxy Filler:</u>	All options	1 quart	1 L
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### Lumber

- Gunwales:                      3/8" x 3/4"      [9.5 x 19]      49'                      15 m
  - 146" [3.7m] each length for 4 total: 2 inwales, 2 outwales
  - Can splice 2 shorter lengths to create the 146" length
- Thwart:                              3/4" x 2"              [19 x 51]              29"                      .75 m
- Transom:                              Nominal 1x2      [19 x 45]              5'                              1.6 m
- Decks\*:                              3/4"                      [19]                      6" x 18"                      152 x 457

*\*See assembly instructions before lumber purchase. Can use layers of plywood glued together.*

### **Additional material will be required for fairing and painting.**

*Light weight building for skilled builders along with being an experienced paddler:*

*-Reduce plywood thickness by 1mm.*

*-Replace 6-ounce [170gm<sup>2</sup>] fiberglass with 4-ounce [113 gm<sup>2</sup>]. Assumes using marine grade plywood. Builder will need to identify and judge where extra reinforcement may be needed.*