

Pot Luck-Fiberglass Bill of Materials

(scroll down for the wood BOM)

The following listing is an estimate of the fiberglass materials required to build the basic hull only. The material listing is intended to serve as a general guide only and should not be used to purchase materials until the various options and alternatives have been checked to the plans, to the work, and to the materials which may be available in the area in which the hull will be built. The listing is only an estimate and may vary with the amount of waste encountered in the work, the sizes and types of material available, and other variables that cannot be controlled. Figures for materials listed include an overage factor or allow for fitting and trimming to size, but it is probable that additional materials may be required due to waste, defects, how the materials are utilized, etc. In all cases, check the plans and instructions for options.

HULL LAMINATE MATERIAL- FIBERGLASS PLANKING METHOD:

- Fiberglass planking "CF-65" 12" wide x 500' lineal ft.
- Fiberglass mat 1 oz per square foot: 4800 square feet or 300 lbs.
- Fiberglass woven roving 18 oz per square yard: 415 square yds. or 467 lbs.
- Polyester resin with catalyst: 3 drums (55 gal. size) or approximately 1500 lbs. net.
- Approximately 20 gals. or 185 lbs. non-thixotropic laminating resin for fiberglass planking initial coat.

HULL LAMINATE MATERIAL ESTIMATE - FOAM SANDWICH METHOD:

- Foam material (PVC) 5/8" thick x 540 square feet
- Fiberglass mat 1 oz per square foot: 4180 square feet or 260 lbs.
- Fiberglass woven roving 18 oz per square yard: 391 lbs. or 348 sq. yds.
- Polyester resin with catalyst: 3 drums (55 gal. size) or approximately 1500 lbs. net

Pot Luck - Wood Bill of Materials

The following list of materials is intended to be a general guide only. Before ordering any materials, the text and plans should be checked for possible options. All lumber listed as 1" stock is to be standard "lumberyard four-quarter"

material which when finished may vary to somewhat less or slightly more than 3/4" in thickness. All widths are NET and all lengths allow for cutting to fit. Grouping lumber and purchasing random-random material to resaw to the required size will result in considerable savings. All lumber used should be first grade free from shakes and knots. Although spruce (Sitka variety) and mahogany (dark red Philippine type) are called out in the listing, lumber typical to the locale and of similar types and weights may be substituted. All plywood (PW) is to be marine (MAR) or exterior (EXT) grade. The marine-type is preferable as the inner cores are solid and thus the panel has more structural integrity. Douglas-fir (DF) is satisfactory with the quality of the exposed faces of the veneer being designated by the letters "A" or "B". The "AA" grade panels are always preferable, however, "AB" grade is acceptable. All plywood should be a minimum of three plies. All fastenings should be bronze or hot dipped galvanized ferrous metal. Brass fastenings are not advised nor are the electroplated screws commonly sold in hardware stores. All screws are to be of the flat head type intended for wood. All nails are of the ring-type nail common to boat construction. Unless otherwise specified, all wood-to-wood joints are to be glued with a waterproof or highly water resistant glue such as plastic resin, resorcinol, epoxy, or other equivalent type used per the manufacturer's instructions regarding temperature, clamping requirements, curing time, and mixing method.

ITEM	SIZE	NO. PCS.	
LUMBER:			
Stem, stem knee	3" x 8" x 6' 3" x 9" x 7'	1 1	
Keel	1" x 7" x 27'	3	
Stem/skeg cap	1/2" net x 3-1/2" x 31'	4	
Skeg	2" x 3-1/2" 160 lin. ft OR 1" x 3-1/2" 320 lin. ft.		
Skeg filler aft	4" x 8" x 2'	1	
Keel filler strake	1-1/4" x 3-1/2" x 27'	1	
Sheer clamps	1" x 2" x 35' 1" x 2" x 16'	4 2	
Breasthook	1-1/4" x 12" 3' x 3'	1	
Carling	1" x 10" x 28'	2	
Coaming/cabin clamp	1" x 11" x 28'	2	
Rub rail	1" x 2" x 35' 1" x 2" x 10'	2 1	
Bulkhead framing, deck- beams, etc.	50 Random-random bd. ft. 1" stock, some widths		

	to 8". 150 Random-random bd. ft. 1-1/4" stock, on some widths to 8".		
Floor timbers	40 Random-random bd. ft. 2" stock, some widths to 9".		
Deck battens	1" x 2" x 14'	1	
Deck battens	1" x 3" x 12' 2" x 12" x 9'	1 2	
Motor stringers	2" x 4" x 6'	1	
Motor stringer blocking	2" x 4" x 6' 2-1/2" x 6" x 6'	1 1	
HULL PLANKING:			
Conventional Strip Planking Option - 1-1/8" to 1-1/4" net thick x 1-1/4" to 1-1/2" net wide sufficient to cover at least 500 sq. ft. of surface area.			
Epoxy Strip Planked/Veneer Laminated Method - 3/4" net thick x 1" to 1-1/4" wide strip planking sufficient to cover at least 500 sq. ft. of surface area + 1/8" net wood veneer 4" - 12" wide sufficient to cover at least 1500 sq. ft. surface area.			
PLYWOOD:			
Transom	3/4" x 4' x 10'* 1/2" x 4' x 10'*	1 1	
Motor stringers	1/2" x 4' x 10'*	1	
Bulkheads	3/4" x 4' x 10'* 3/4" x 4' x 8'	1 4	
Decking	3/4" x 4' x 8'	4	
* 4' x 8' plywood can be substituted, adjust quantities accordingly.			