

Rob Roy Bill of Materials

LUMBER: All lumber is "four quarter" lumberyard stock, usually finished to 3/4" net thickness. All widths are net, while all lengths allow for cutting to fit. All lumber sizes should be checked to the work before purchasing. When long lengths are not available, splices may be made by a scarf joint of 1:12 ratio; full length members are desirable for this hull. All lumber should be free from knots, splits, and other defects. Mahogany refers to "dark red" Philippine or central American varieties. Spruce (Sitka), Douglas-fir, white oak, and similar woods used for boat construction may be substituted.

PLYWOOD: All plywood must be intended for marine use. The most desirable material to use because of its lightweight is okoume marine plywood.

ITEM	MATERIAL	NO. PCS	SIZE
LUMBER:			
Frame & breasthooks	Mahogany	1	3/4" x 8" x 42"
Inner sheer	Mahogany	2	3/4" x 1/2" x 15'
Outer sheer	Mahogany	2	3/4" x 1" x 15'
PLYWOOD:			
Plywood per Plywood Layout	2	4 or 5mm x 125cm x 250cm or 5/32" x 4'x 8'	
STITCHING WIRE: Copper wire 12 or 14 ga. - 50 feet			
RESIN: Epoxy with slow hardener, - 1 gal. Add 1 qt. of epoxy for exterior seams if not fiberglassing.			
MICROSPHERES: (or equal) - 2 lbs.			
SILICA: 2 lbs.			
FIBERGLASS TAPE: For interior junctions - 3" width = 13 yds. 6" width = 11 yds. For exterior if not fiberglassing - Add 11 yds. 3" and 11 yds. 6".			
FIBERGLASS COVERING (optional):			
FIBERGLASS CLOTH: 50" width = 5 yds.			
FIBERGLASS TAPE: 6" width = 13 yds.			
RESIN: 1 gal. Epoxy resin with slow hardener			

FASTENERS:

SCREWS: Flat head wood screws bronze or hot dipped galvanized.

7/8" #8 - 5 doz.

1 1/4" #8 - 6 required.