

Chippewa Bill of Materials

FIBERGLASS MATERIALS (Fiberglass version): Weights of fiberglass materials other than those listed are not recommended; lighter materials can affect the strength of the boat, while heavier materials will make the boat heavier and perhaps impair performance. Epoxy resins are not recommended. Quantities of fiberglass materials listed are estimates. More or less materials may be required depending on wastage.

Two types of resin are used. It is important that the first coat over the C-Flex be a low shrink resin; non-thixotropic clear laminating or marble casting resin of 600-1000 cps.(C-Flex resin). After the initial coat, standard laminating and finish resin can be used.

LUMBER: Most 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. The sheers on this design are "five quarters", which finishes to approx. 1" NET. 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 refers to Sitka spruce. Douglas-fir, white oak, and similar woods used for boat construction may be substituted. For temporary members that will not remain in the boat, pine or fir is ideal, although any reasonably clear and straight lumber can be used.

FIBERGLASS VERSION ONLY			
MATERIAL & SIZE	13'	15'	17'
C-Flex CF-39 12" wide	100' roll	100' roll	100' roll
Mat 1 oz. x 38"	12 yds.	15 yds.	18 yds.
Cloth 7 oz. x 60"	9 yds.	11 yds.	13 yds.
C-Flex resin	1 gal.	1 gal.	2 gals.
Laminating resin	3 gals.	4 gals.	4 gals.
Finish resin	1 gal.	1 gal.	2 gals.
Microsperes	1 lb.	1 lb.	2 lb.

VENEER VERSION ONLY
PLYWOOD or VENEER: These figures are based on the square footage of the surface to be covered plus an allowance for cut offs and other scrap, and is an estimate only.

Max. 1/8" PW or 3/32" x 6" max. mahogany, western red cedar, or similar types of veneer.			
13' Version 125 sq. ft.	15' Version 150 sq. ft.	17' Version 180 sq. ft.	

LUMBER - Both versions:						
ITEM	MATERIAL	NO.	SIZE	AMOUNT FOR 13'/15'/17'		
Sheer clamps	Mahog. or Spruce	2	1" NET x 1 7/8" x	14'	16'	18'
End thwarts	Mahog. or Spruce	2	3/4" x 4" x 5'	(makes 2)		
Center thwart	Mahog. or spruce	1	3/4" x 6" x 3'	1		

FASTENINGS:		
Flat head bronze or hot-dipped galvanized wood screws	1 1/2" #8	1 gross
Carriage bolts - bronze or hot-dipped galvanized	1/4" x 2 1/2"	12 required