

Harbormaster Bill of Materials

The following material listings are an estimate of the materials required to build the basic hull. The material listings are intended to serve as general guides only and should not be used to purchase materials until the various options and alternatives have been checked to the work. The listings are 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. The hull construction materials are based on the square footage of the hull and may vary depending on how the materials are utilized. The figures listed include an overage factor, but it is probable that additional material may be required due to waste, defects, etc. The listing does not include material for the deck, canopy, and cockpit structures or joinerywork due to the possible variations and options. Materials for the temporary form members are not listed. In all cases, check the plans and instructions for options.

HULL MATERIAL LISTING - FIBERGLASS PLANKING METHOD:

- Fiberglass planking "CF-65" x12": 250 lineal feet
- Fiberglass mat 3/4 oz per square foot: 1167 square feet 55 lbs.
- Fiberglass mat 1 oz. per square foot: 300 square feet or 19 lbs.
- Fiberglass woven roving 18 oz per square yard: 923 square yards 115 lbs.
 - Polyester resin w/catalyst: 380 lbs. or 40 gallons

HULL MATERIAL LISTING - SANDWICH CORE METHOD:

- Core material 1/2" PVC foam 225 square feet
- Fiberglass mat 1 oz per square foot: 1266 square feet of 80 lbs.
- Fiberglass woven roving 18 oz per square yard: 759 square feet or 95 lbs.
 - Polyester resin w/catalyst: 380 lbs. or 40 gallons

HARBORMASTER - WOOD HULL MATERIAL LISTING:

NOTE: See heading, "LUMBER & PLYWOOD" before purchasing an materials and for further information regarding sizes and types. Also check plans and instructions for options and alternatives. Other than noted elsewhere, suitable woods can include Honduras, African, or Philippine mahoganies, white oak, Douglas-fir, Sitka spruce, Alaskan or Port Orford cedars.

MEMBERS	SIZE	NO. REQ/LIN FT
LUMBER:		
Keel	1" x 6" x 18'	2 rqd.
Stem laminations (approx.)	(*) 3/16" net x 3" x 8'	21 rqd.
Skeg laminations/keel filler	1" x 4"	150 lin. ft.
Stem cap laminations (approx.)	(*) 3/16" net x 3" x 8'	11 rqd.
Sheer clamps	1" x 2" x 25'	2 rqd.
Rub rails	1" x 2" x 25'	2 rqd.
Floor timbers (makes all)	2" x 8" x 20'	1 rqd.
Transom framing	1" x 6" x 12'	1 rqd.
Frame laminations (approx.)	(*) 1/8" x 1-1/2" x 10'	32 rqd.
	(*) 1/8" x 1-1/2" x 12'	16 rqd.
Deck beams	1" x 4" x 5'	2 rqd.
	1" x 6" x 6'	2 rqd.
Strongbacks	1" x 4" x 5'	2 rqd.
Deck battens	1" x 2" x 4'-6"	6 rqd.
	1" x 2" x 3'	2 rqd.
Carlings	1" x 6" x 15'	2 rqd.
Motor stringers	2" x 4" x 6'-6"	2 rqd.
Motor stringer blocking	2" x 2" x 1'	6 rqd.
(*) Depending on wood used, thickness may vary to conform to curvature		
PLYWOOD:		
Transom/breasthook	4' x 4' x 3/4"	1 rqd.
Subdeck	4' x 8' x 1/2"	4 rqd.
<p>PLANKING: (See also details on Sheet 3 of 5) Conventional Strip Planking Option: 5/8" min. net thick x 3/4" to 1" net wide sufficient to cover at least 225 sq. ft. of surface area OR Epoxy Strip Planked/Veneer Option: 1/2" net thick x 1/2" min. net wide strip planking sufficient to cover at least 225 sq. ft. of surface area, plus 1/8" net thick wood veneers 4" to 12" wide sufficient to cover at least 450 sq. ft. of surface area.</p>		