

# Power Skiff 12 Bill of Materials

## (scroll down for Power Skiff 14 BOM)

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION. 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 mahogany (dark red Philippine type) is 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.

Abbreviations used in the following are: DF = Douglas-Fir; Mahog. = Mahogany; PW = Plywood; MAR = Marine; EXT = Exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
Keel and seat brace	Mahog	1	1" x 2" x 8'-6"
Breasthook, corner knees & seat cleats	Mahog	1	1" x 8" x 24"
Center seat	Mahog	1	1" x 8" x 50"

Inner sheer	Mahog	2	1" x 1" x 12'
Outer sheer	Mahog	2	1' x 1-1/2" x 12'
Skeg	Mahog	1	1" x 1-1/2" x 6'

**PLYWOOD:**

See Plywood Layout	DF Ext or MAR AB	3	1/4" x 4' x 8'
See Plywood Layout	DF Ext AB	1	3/4" x 4' x 4'

**FASTENERS:**

- SCREWS: Wood type, flat head, bronze or galvanized:
- 3/4" #8 = 1 gross
- 1" #8 = 8 dozen
- 1-1/4" #8 = 5 dozen
- 1-1/2" #8 = 2 dozen
- 2" #10 = 18 each
- CARRIAGE BOLTS: Galvanized with nuts and washers - 5/16"x6" - 2 required

**STITCHING WIRE:** Copper wire 14 or 16 ga. - 50'

**EPOXY RESIN:**

- For gluing, applying tape, epoxy encapsulation, & resin putty. - Approx. 1 gal. + 1 quart
- For application of EXTERIOR fiberglass. - Approx. 1 gal. + 2 quarts

**MICROSPHERES:** (or equivalent) - 2 lbs.

**SILICA:** - 2 lbs.

**FIBERGLASS TAPE:**

- 3" wide: 30 yds. interior; 23 yds. exterior\*
- 6" tape: 30 yds. interior; 23 yds. exterior\*

*\*Double exterior tape quantities if not fiberglassing the exterior.*

**FIBERGLASS CLOTH:** For exterior sheathing - 6-8 oz. treated boat type.

- 4 1/3 yds - 38" width
- 3 2/3 yds - 60" width

## **Power Skiff 14 Bill of Materials**

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION. 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 mahogany (dark red Philippine type) is 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.

Abbreviations used in the following are: DF = Douglas-Fir; Mahog. = Mahogany; PW = Plywood; MAR = Marine; EXT = Exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
------	----------	----------	------

Keel and seat brace	Mahog	1	1" x 2" x 10'-6"
Breasthook, corner knees & seat cleats	Mahog	1	1" x 8" x 24"
Center seat	Mahog	1	1" x 8" x 50"
Inner sheer	Mahog	2	1" x 1" x 14'
Outer sheer	Mahog	2	1" x 1-1/2" x 14'
Skeg	Mahog	1	1" x 1-1/2" x 8'

**PLYWOOD:**

See Plywood Layout	DF Ext or MAR AB	4	1/4" x 4' x 8'
See Plywood Layout	DF Ext AB	1	3/4" x 4' x 8'

**FASTENERS:**

- SCREWS: Wood type, flat head, bronze or galvanized:
- 3/4" #8 = 1 gross
- 1" #8 = 8 dozen
- 1-1/4" #8 = 5 dozen
- 1-1/2" #8 = 2 dozen
- 2" #10 = 18 each
- CARRIAGE BOLTS: Galvanized with nuts and washers - 5/16"x6" - 2 required

**STITCHING WIRE:** Copper wire 14 or 16 ga. - 50'

**EPOXY RESIN:**

- For gluing, applying tape, epoxy encapsulation, & resin putty. - Approx. 1 gal. + 1 quart
- For application of EXTERIOR fiberglass. - Approx. 1 gal. + 2 quarts

**MICROSPHERES:** (or equivalent) - 2 lbs.

**SILICA:** - 2 lbs.

**FIBERGLASS TAPE:**

- 3" wide: 33 yds. interior; 26 yds. exterior\*
- 6" tape: 33 yds. interior; 26 yds. exterior\*

*\*Double exterior tape quantities if not fiberglassing the exterior.*

**FIBERGLASS CLOTH:** For exterior sheathing - 6-8 oz. treated boat type.

- 5 yds - 38" width
- 4 1/3 yds - 60" width