



Avalon 8.2 folding trimaran

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BASIC MATERIAL LIST

Durakore Option

Main Hull

	Unit	Quantity
Durakore Planks DK 13	Sheet 2.44x0.305	65
Durakore Panel DKP 130	Panel 2.5x1.22	13
Plywood 10mm 7 ply	Sheet 2.44x1.22	5
12mm 7 ply	Sheet 2.44x1.22	1
Cedar 20x20	Lineal Metre	3
20x30	Lineal Metre	6
6x50	Lineal Metre	7
60x40	Lineal Metre	8
75x40	Lineal Metre	3
75x80	Lineal Metre	4
100x20	Lineal Metre	2
75x20	Lineal Metre	2
100x5	Lineal Metre	9
Oregon 150x40 (Douglas Fir)		6
Divinycell Foam H250 (high-density)	Sheet 2.5x1.2	2
Fibreglass		
410gsm Double Bias	sq. metre	63
200gsm Plain weave		20
230gsm Uni directional		50
1120gsm Tri axial		12
450gsm Double Bias tape x 150mm wide	lin metre	110
Epoxy Resin (approx)	Kg	90
Filler (for fillets, bog etc.)	Kg	30
Fairing compound	Kg	1
Paint		As required
Lexan 6mm	sq. metre	1
Stainless Steel – Ref. Dwg		
Bolts, Nuts, Washers & Screws.		As required

Outrigger Hulls

(Quantities are for 2 hulls)

	Unit	Quantity
Durakore Planks DK13	Sheet 2.44 x 0.305	48
Plywood 6mm 7 ply	Sheet 2.5 x 1.2	1
Plywood 10mm 7 ply	Sheet 2.5 x 1.2	1
Oregon 100x20	Lin. Metre	3
Fibreglass		
230 gsm Uni directional	sq. metre	32
410 gsm Double bias	sq. metre	4
646 gsm Biaxial	sq. metre	32
Epoxy Resin (approx)	Kg	60
Paint		As required

Beams

(Quantities are for 4 beams)

Fibreglass

900 gsm Uni directional	sq. metre	44
575 gsm Double bias	sq. metre	16
200 gsm Plain weave	sq. metre	12

Epoxy Resin (approx)

Kg 60

Polyurethane Foam (2 part mix)

Litres(approx.) 6

Styrene Foam 25mm

Sheet 2.5 x 1.2 4

Paint

(As required)

Note: This list is for the basic structure only. Builder must allow for trampoline nets, hardware, rig etc.

Foam Core Option

Main Hull

(Note Beams as Durakore Option)

Unit Quantities

Divinycell H80PL12

sq. metre 85

Fibreglass

200 gsm Plain weave	sq. metre	79
768 gsm Tri axial	sq. metre	30
465 gsm Uni directional	sq. metre	30
410 gsm Double bias	sq. metre	33
576 gsm Double bias	sq. metre	24
646 gsm Bi axial	sq. metre	24
1120 gsm Tri axial	sq. metre	12

Epoxy Resin (approx)

Kg 115

Plywood

Quantities same as for Durakore Option

Cedar

Oregon

Filler

Paint

Lexan

Stainless Steel

Bolts etc.

Outrigger Hulls

(Quantities are for 2 Hulls)

Unit Quantities

Divinycell H80PL12

sq. metres 32

Fibreglass

200 gsm Plain weave	sq. metres	32
646 gsm Bi axial	sq. metres	32
576 gsm Double bias	sq. metres	32
410 gsm Double bias	sq. metres	4

Epoxy Resin (approx)

Kg 60