SEAJET

Catamaran length guide

Approximate underwater area for cruising sailing catamarans. Both hulls are included once.

Choose your length overall (LOA). If the boat falls between listed lengths, use the next larger row. Use a builder or boatyard area measurement whenever one is available.

LOA (ft)	LOA (m)	Area (ft²)	Area (m²)
24*	7.32	210	19.5
28*	8.53	280	26.0
30*	9.14	320	29.7
32*	9.75	360	33.4
35*	10.67	430	39.9
38	11.58	510	47.4
40	12.19	560	52.0
42	12.80	620	57.6
44	13.41	680	63.2
45	13.72	710	66.0
46	14.02	750	69.7
48	14.63	810	75.3

LOA (ft)	LOA (m)	Area (ft²)	Area (m²)
50	15.24	880	81.8
52	15.85	950	88.3
55*	16.76	1,060	98.5
60*	18.29	1,260	117.1
65*	19.81	1,480	137.5
70*	21.34	1,720	159.8
75*	22.86	1,970	183.0
80*	24.38	2,240	208.1
90*	27.43	2,840	263.8
100*	30.48	3,500	325.2
110*	33.53	4,240	393.9
120*	36.58	5,040	468.2

How the estimate is calculated

Combined underwater area (ft²) = 0.35 × LOA (ft)²

Round up to the next 10 ft². Metric area is converted from that rounded value. Do not double the result for the second hull.

Basis: five manufacturer owner’s manuals

The coefficient is rounded from five Lagoon LOA / careened-area examples. These are calibration references, not measured areas for every catamaran of the same length.

	Manual reference	LOA (m)	Manual area (m²)
	Lagoon 40 [1]	11.74	47
	Lagoon 42 [2]	12.80	55
	Lagoon 46 [3]	13.99	70
	Lagoon 51 [4]	15.35	73
	Lagoon 52 [5]	15.85	95 (incl. appendages)

* **Extrapolated:** sizes below 38 ft or above 52 ft extend beyond the reference band and have greater uncertainty. For power, performance or unusual hulls, or boats outside 24-120 ft, use actual area. No separate appendage percentage is added; confirm the area of all surfaces to be coated.

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Paint quantity reference

Two coverage coats • Brush / roller • 10% material allowance • Rounded up to whole U.S. gallons

Select the correct product and preparation system in the planner first. This table gives approximate quantity only; it does not establish product, region or hull-material suitability.

LOA (ft)	Area (ft²)	036	038	041	021
24*	210	2	2	1	2
28*	280	2	2	2	2
30*	320	2	2	2	2
32*	360	2	3	2	2
35*	430	3	3	2	3
38	510	3	3	3	3
40	560	3	4	3	4
42	620	4	4	3	4
44	680	4	4	3	4
45	710	4	5	3	4
46	750	4	5	3	5
48	810	5	5	4	5
50	880	5	6	4	5
52	950	5	6	4	6
55*	1,060	6	7	5	6
60*	1,260	7	8	6	7
65*	1,480	8	9	6	8
70*	1,720	9	11	7	10
75*	1,970	11	12	8	11
80*	2,240	12	14	9	13
90*	2,840	15	17	12	16
100*	3,500	18	21	14	19
110*	4,240	22	25	17	23
120*	5,040	26	30	21	28

Quantity basis: area ÷ coverage × 2 reference coats × 1.10, rounded up once. Coverage per reference coat: 036 = 428; 038 = 376; 041 = 551; 021 = 407 ft²/U.S. gal.

Film build: 036 / 038 / 041: 2 mil DFT per reference coat, 4 mil total. 021: 1.6 mil per reference coat, 3.2 mil total. The 036 and 041 published TDS nominal builds differ from this guide basis; confirm the required project DFT before ordering or applying.

Additional work: primer, repairs and extra coats at the waterline / leading edges are separate. For spray, use the interactive calculator's 30% allowance on unrounded volume; do not multiply these rounded gallons. 021 uses the Canada / California portfolio quantity basis.

Source manuals

[1] Lagoon 40 owner's manual - p. 11
[2] Lagoon 42 owner's manual - p. 11
[3] Lagoon 46 owner's manual - p. 11
[4] Lagoon 51 owner's manual - area p. 107; LOA p. 116
[5] Lagoon 52 owner's manual - p. 11

Manufacturer manuals hosted by Lagoon's German dealer; page numbers are printed manual pages.