

Hexayurt materials cost estimate

Hexayurt Shelter

<http://hexayurt.com>

* US units used throughout

Materials weight, cost and cube per hexayurt

Totals per hexayurt

Item	Cost dollars	Weight pounds	Cube cubic yards	Units req	Weight Total pounds	Cube Total cubic yards	Cost Total dollars
plywood - marine 1/4"	\$15	25	0.025	12	300	0.3	\$180.00
8' 4"x6" lumber	\$3	16	0.02	5	80	0.1	\$15.00
screws - 200 deck	\$20	4	0.05	1	4	0.05	\$20.00
steel strapping 100ft	\$10	0.5	0.005	1	0.5	0.005	\$10.00
gorilla glue	\$10	1	0.005	1	1	0.005	\$10.00
steel washers 50	\$5	1	0.005	1	1	0.005	\$5.00
rebar stake - 3'	\$2	3	0.005	20	60	0.1	\$40.00
plywood costs range from \$6 to \$25 depending on grade							
TOTAL					446.5 lbs	0.565 cubic yards	\$280.00 dollars

Deployment

floor area / hexayurt 166 square feet
 square feet / person 37 square feet SPHERE standards
 persons / yurt 4.5

hexayurt use years 3
 shelter years needed 3

population to rehouse 750,000

total hexayurts	167,169	74,640,813	94,450	\$46,807,229
cost/person/year	\$21	lbs	cubic yards	dollars

All materials costs are US prices. Construction labor and logistics costs are not estimated. A large scale deployment will likely get lower prices than these and ship.