

BUILD GREEN — BUILD WITH WOOD



Aljoma has built success from one of the world's most sustainable and environmentally friendly resources: wood.

Earth-friendly: Wood is renewable, sustainable, recyclable, durable, and biodegradable. Steel and plastic, on the other hand, are made from non-renewable resources.

Strong insulation value: As an insulator, wood is four times more efficient than an equivalent thickness of cinder block; six times more efficient than brick; 15 times more efficient than concrete, 206 times more efficient than steel, and 1,770 times more efficient than aluminum.

More abundant today: The U.S. has more trees today than it did in the 1920s – even though the population has increased by 143%. And forestland has expanded by over ten million acres in the last two decades. Today the annual net growth of U.S. forests is 36% higher than the volume of tree removals.

Wood products save petroleum: Using pressure-treated wood instead of steel, concrete, or plastic saves as much as 32 million barrels of petroleum each year.



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Manufacturing processes use less energy: Wood products make up 47% of all industrial raw material manufactured in the U.S., yet consume only 4% of the energy needed to do that. Comparing total energy costs of other building materials – the costs to acquire the raw material, transport it, process it into a useful product and then use it – wood outshines its competitors. For example, steel wall studs require almost nine times more energy to produce than wood studs.

Wood products help reduce global warming:

Our lumber products are produced from plentiful, fast-growing species of trees from managed forestland. Young-growth trees remove millions of tons of carbon each year, which helps reduce global warming.

Life-cycle analysis shows advantages:

Environmentalists use life-cycle analysis to measure the environmental impact of a product. The life-cycle analysis of wood shows that it's environmentally superior because it uses renewable resources and recycled material, requires little energy to produce and distribute, and produces little waste.



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