Why Sing wood veneer honeycomb structure is "Green" and the most earth friendly way to use natural and manmade materials.

Many people ask……."Is the foam used in Sing honeycomb core really a green product?"

The answer is yes when looked at in terms of sustainability.

A good example that we are all familiar with is a coffee or tea cup made of Styrofoam or a coffee mug made of same material but enclosed in a solid container. Solo cups are only used once than thrown away as garbage to fill our land fill. But the same solo cup material made into a permanent coffee mug could last 10 years without being replaced. You will agree that the same materials use, its life span, and its impact on the environment are the best way to judge if it is a green and non green product.

The cost of solo eps foam cup is not only how much you spend for 10,000 cups during 10 years of time. (Assuming: 3 times a day x 365 days, times 10 years = 10,000 solo cups to the land fill from one person.) But the total cost is the energy to produce, ship raw materials, and disposal. LCA studies show that wood is better for the environment than steel or concrete in terms of embodied energy, global warming potential, air emissions, water emissions, and solid waste production.

Sing Honeycomb core structure is made of 100% natural vertical grain wood veneer. This sets us apart from our counterparts who use paper, particle board, aluminum, and plastic. Furniture made of honeycomb can last 10 times or longer than furniture made of paper honeycomb, and particle board. If the price of Sing honeycomb furniture is divided by 10, it will be the most economic furniture on the market today.

If you consider the life span of these products than you will agree Sing honeycomb is the answer for green products. Sing honeycomb products are made of recycled foam, and 100% clean wood veneer.

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Sing honeycomb reinforces, reduces the weight and replaces the high energy consuming materials such as wood, plastic, metal, fiberglass, and concrete with minimum impact to the earth.

The following is the energy consumption comparison of sing honeycomb vs. wood, and wood vs. the other man made materials for your reference.

The energy consumption of wood products vs. others: The energy required to produce one ton of wood is much less than that for other materials.

Compared to the energy required to produce a ton of wood, it takes:

- 5 times more energy to produce 1 ton of cement
- 14 times more energy to produce 1 ton of glass.
- 24 times more energy to produce 1 ton of steel.
- 126 times more energy to produce 1 ton of aluminum

Sing honeycomb vs. wood, Sing honeycomb only has 10% or less of wood and almost 90% of air. It is the strongest lightweight, renewable material made of vertical grain natural wood veneer fiber. Products made of Sing honeycomb core are the strongest lightweight renewable products available at a comparable low cost.

So deciding if a product is "Green" should be based on the ***Life Cycle Assessment*** and energy consumption required to produce, transport, and dispose.

This is why Sing Honeycomb is a truly "Green" product.

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SING HONEYCOMB PANELS

Our panels are at the center of all we do!

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Our patented Sing Honeycomb Panels provide a myriad of advantages over plywood, fiber-board and other materials such as:

- **Insulation Properties**: Our EPS honeycomb core provides a 3.5% per sq. inch R-Factor and our Urethane honeycomb core provides a 6.5% per sq. inch R-factor
- **Dimensionally Stable**: no other honeycomb manufacturer can produce a product that can stay as straight
- **Strong**: In addition our honeycomb panels have been tested at the University of Washington and were rated to have an average of 660 psi. while the average paper honeycomb or regular foam core can only reach between one to 30 psi. We have proven the strength of our panels by driving a 12,000 lbs fork lift over Sing honeycomb panels without resulting in crushing damage.

If you do a google search for "*honeycomb furniture/products*" you will find that most searches will result in paper honeycomb furniture and that most major manufacturers from Europe, Asia and *Sweden* are marketing their *paper honeycomb furniture* products for sale in the USA but as we all know their *paper honeycomb* is only designed to last for a short period of time. But our **Sing Honeycomb furniture and wall/door panels** are made right here in the USA and is backed by a lifetime structural guarantee.

RETAIL PRICE LIST

Standard Panel **4' x 8'** (finished size = 47" x 95") with or without solid wood edging	**$9.00/sq ft**
Single Oversize Panel 1 side of panel over the standard size - with or without solid wood edging and your choice of skins front/back	**$18.00/sq ft**
Double Oversize Panel Both sizes are over the standard size—with or without solid wood edging and your choice of skins front/back	**$27.00/sq ft**

Panels thicknesses can be as thin as 3/4" to as thick as 6" or more*.
Thicknesses over 3" may incur additional costs

WHOLESALE/TRADES PROFESSIONALS

Standard Panels 4' x 8' (finished size = 47" x 95") with or without solid wood edging and your choice of skins front/back	**Please call for pricing**
Single Oversize & Double Over-size Panels 1 side of panel over the standard size - with or without solid wood edging and your choice	**Please call for pricing**
Visit www.singcore.com for more information or call	**360-495-3577** **info@singhome.com**

Sing honeycomb core, panels, and beams have endless applications for your business, home, or any other area you can think of that can be constructed of wood, metal, plastic, or concrete. Our honeycomb structure has proven to save energy for homes, buildings, boats, and even reduce the weight of airplanes. Sing Honeycomb technology is the most innovative invention of this century!