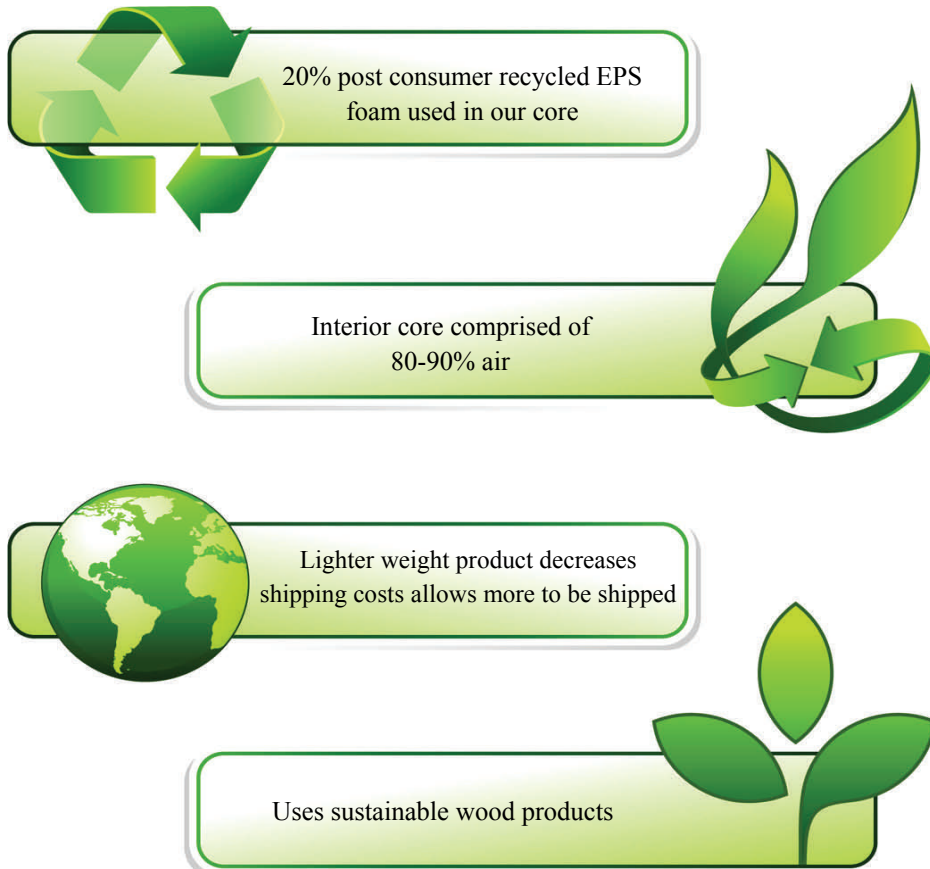


# What makes Sing Honeycomb

## Products different from conventional building products?



HONEYCOMB BUILDING PANELS

Sing cores——new generation eco friendly honeycomb core or sandwich core.

Pix=====

Sing core panel——Open Edged Panels——substrate to replace particle board , plywood or substrate.

Pix=====

Finished Sing Panels——lightweight, high strength, Strong true and eco friendly building block.

Pix=====

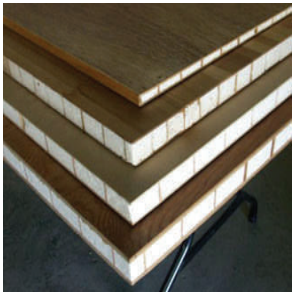
Lightweight

www.singcore.com 360-495-3577



## Sing Core

Sing Core is a veneer torsion box embedded in EPS foam. You can finish Sing Core with any load bearing facial material. In our core, we use the strongest material in the strongest form: vertical grain veneer! Our grid is stronger than other honeycomb sandwich cores because the veneer is arranged with the grain perpendicular to the skin. Sing Core comes in a variety of dimensions up to 10'x12'x6".



## Sing Core Open Panel

Sing Core Panels come without edging, so you can finish them as you like and use them in your production. Architects, Interior Designers, Contractors, use our panels when their concepts need to be strong, light, durable and useable. Manufacturers can use Sing Core Panels in doors, furniture, cabinets, museum displays.



## Sing Solid Wood Edged Panel

Sing Panels come complete with solid wood edging sandwiched in between the skins. Sing Panels and Beams are ready to distribute to consumers and businesses. Sing Panels are ready to be stained or painted depending on order type.

## Applications/Uses

Doors  
Furniture  
Tiny House  
Sing Log Homes  
Building Materials  
Museum and Trade Show Booths/Displays

## Sing Honeycomb Advantages

### Strong

- Sustains up to 660 psi
- Torsion Box grid
- Vertically aligned veneer

### Lightweight

- 1/3 the weight of solid wood
- A 4'x 8'x 2" panel weighs approx 51lbs.
- Foam core

### Stable

- Maximum variation of .007"
- Won't sag over time
- Foam supports veneer grid

### Insulated

- R-Value up to 6.5
- Sound Deadening Qualities

### Environmentally Friendly

- Recycled foam
- Renewable veneer
- Saves heating energy
- Efficient Production

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## Panel Properties

**Insulation Value:** The R-Value of Sing Honeycomb Core is 3.5-6.5, whereas that of solid wood ranges from .71-1.4. **Strength:** Vertical grain veneer enables a 2"x4'x8' Sing panel to withstand up to 600 lbs.

**Weight:** Honeycomb Core sandwich construction is used mostly in aviation. Our core can make panels weigh as little as 30% as much as solid wood panels. **Precision:** Torsion Box structure is no longer a dream for the highly trained craftsman. Our endless I beam construction keeps the surface of our panels flatter than solid wood (within .007in!).

**Fire Resistance:** Level 2

**Acclimating your panels:** Sing Honeycomb Panels require 2-4 weeks of acclimatization, due to the high humidity of Washington State where they are constructed. Requirements: stand panels on edge with at least 1" spacing between each panel.