

A Professional Manufacturer Of Aluminum Honeycomb Structural Furniture

- ◆ Aluminum honeycomb furnishing panel
- ◆ Cabinet
- ◆ Wardrobe closet
- ◆ Indoor & Outdoor Table

**Alcomb Furniture Co., Ltd**

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## Alcomb Furniture Co., Ltd

Part of Huarui Honeycomb

Alcomb is a professional manufacturer of aluminum honeycomb tables and cabinets for commercial and residential settings where lightweight, high strength and durability is demanded.

Alcomb can handle all kinds of processing such as tapping, counterbore, through hole, and pocket processing, so you can freely design the assembly and mounting of parts. In addition, since the edges can be carved into any shape, it is also possible to express thinner and smoother parts.

Aluminum honeycomb is an innovative product that manages to incorporate a lot of strength into a very thin panel. We are dedicated to making increasingly eco-friendly products with this material and minimum resource, utilizing the latest honeycomb technology to achieve ultra-lightweight tables and durable cabinets for our customers.

Alcomb cabinet and wardrobe are available with honeycomb standard structure and honeycomb enhanced structure, they are finished with HPL/CPL, while alcomb table is available in three finishes: powder coat, laminate and natural stone.

When you are looking for a partner for honeycomb structured table and cabinets to create your designed project, alcomb is one of the best option.



**8.6**  
kg/m<sup>2</sup>

### Lightweight

Our table top is designed at 8.6kg - 9.5 kg/m<sup>2</sup>. Compared to solid aluminum, it is approximate 37% low weight.

**40**  
times

### Rigidity

Despite being low in weight, the design of the honeycomb structure ensures that our table tops are up to 40 times stronger than solid aluminum or solid stone.

**4**  
meters

### Large size

Due to high strength to weight ratio, the honeycomb structure allow our table top to be 4 meters long but in 20mm thickness than expected.

**4**  
legs

### Simple and streamlined

Taking advantage of the high-strength to weight ratio of aluminum honeycomb, community table have simply four legs and a table top without any cross bracing, contributing to simple and streamlined looks.

**15**  
years

### Colour warranty

The honeycomb panel is moisture and corrosion resistant. Meanwhile, our polyester thermosetting powder coating offers exceptional resistance to abrasion damage and 10-15 years aluminum color warranty.

**200**  
degree C

### High temperature resistant

Our table tops are designed to resistant more than 200 °c high temperature in order to allow a superior weather resistant powder coat process for outdoor settings.



The honeycomb furnishing panels offer an amazing option for the table, cabinet, wardrobe, book case, bed, not only designed for home setting, but also for the mobile carries when lightweight, high strength and durability is required.

**Post-powder coated honeycomb panel**

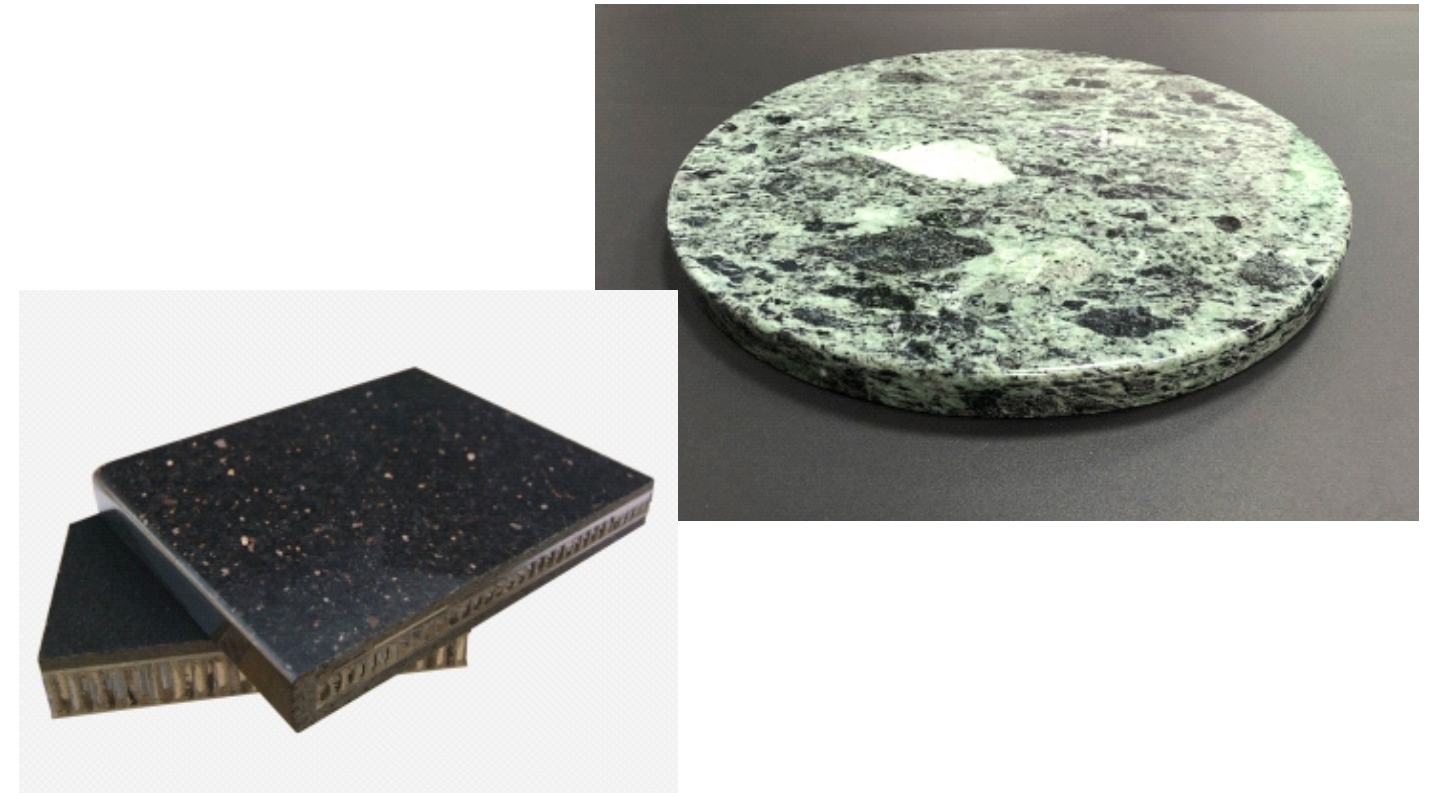


This honeycomb panel is sandwich structured composites comprising of aluminum honeycomb core and two skin sheets in mill finish, bonded together by aviation grade adhesive film that can resist temperature up to 200 °C. The panel can be processed to custom size and special shape, as well as be welded and sanded to meet the industry design.

Finish	Post - powder coated	
Skin sheets	Aluminum	
Core	Aluminum honeycomb	
Adhesive	High temperature resistant adhesive up to 200°C	
Edge	Solid aluminum edge	
Specification	Max size	1500x4000mm
	Min/Max thickness	5mm/ 100mm

**Stone honeycomb panel**

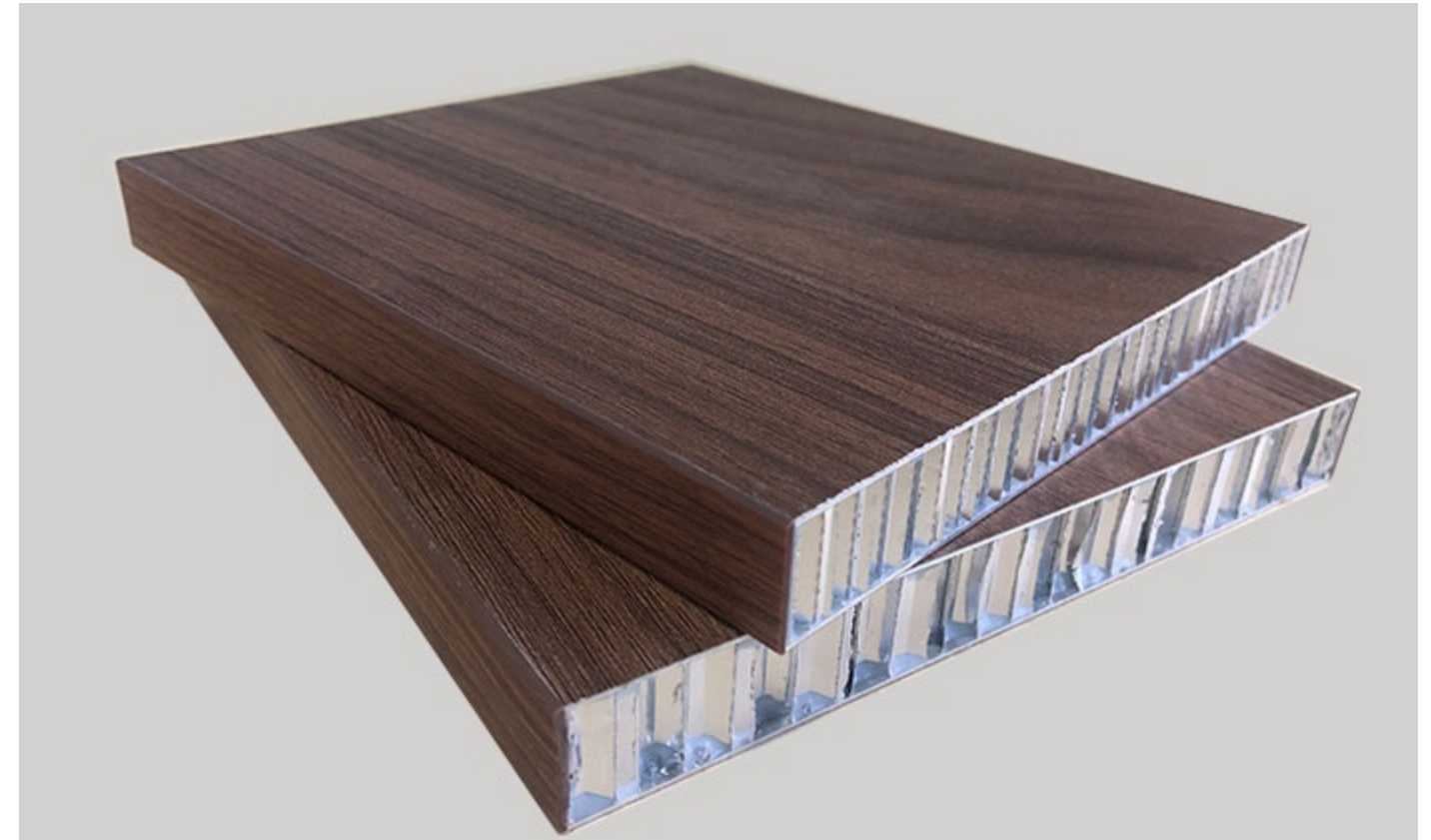
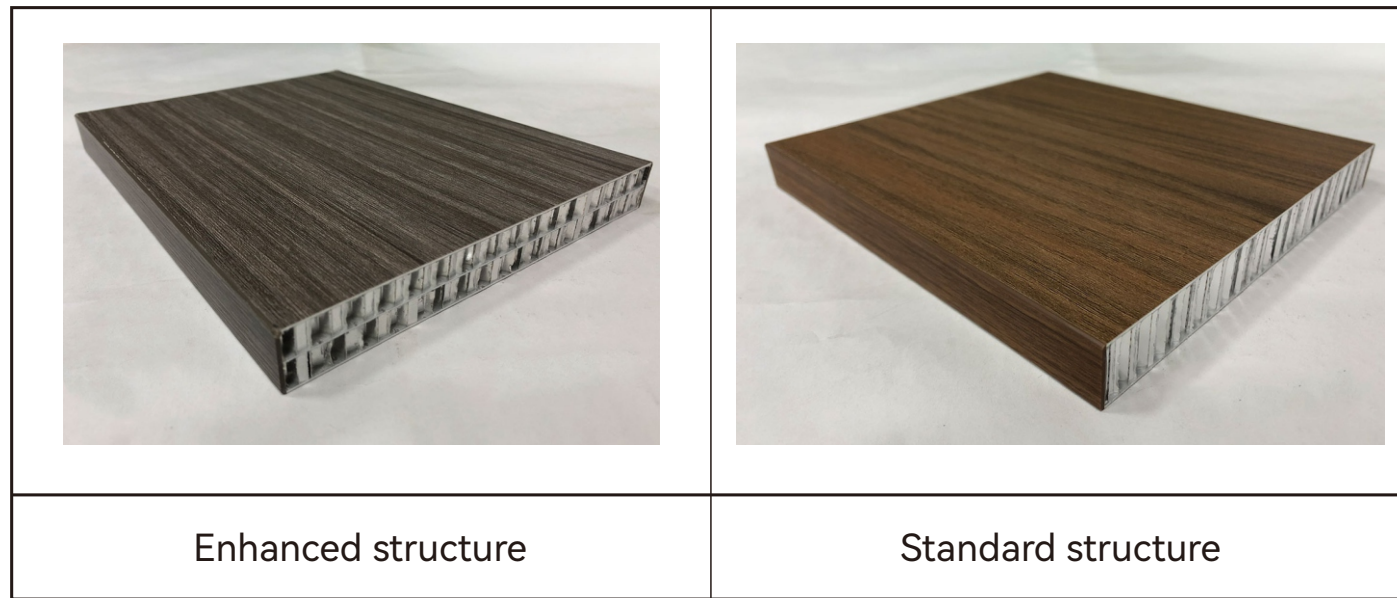
Stone honeycomb panels combine a thin natural stone and fiberglass/aluminum honeycomb panel as reinforcement, which not only keep the natural aesthetic beauty of stone, but also with ultra-lightweight and high strength advantages. It can be used for countertop, tabletop, kitchen top etc.



Stone veneer	3-8mm natural stone	
Backing panel	Aluminum honeycomb panel / Fiberglass honeycomb panel	
Adhesive	Epoxy resin	
Max size	1500x3000mm(marble)	
	1200x3000mm(granite)	

### HPL/CPL honeycomb panel

Cabinets and tables furnished with CPL/HPL are extremely durable. It protects your furniture against minor impacts and abrasion. Surfaces with these materials are also solvent-resistant, heat-resistant, smudge-proof and scratch-resistant. Meanwhile, they are easy to clear and maintain.



Specification	
Panel-Thickness:	18mm
CPL surface sheet, front side	0.15
Aluminium Backing Sheet [mm]	AA3003-0.8
Aluminum honeycomb core	3003H18- 16mm
Aluminium Backing Sheet2 [mm]	AA3003-0.8
CPL surface sheet,reverse side[mm]	0.15
Weight[kg/m <sup>2</sup> ]	6.1
Size	1200x2440mm,1200x3000mm
Core	aluminum honeycomb
Cell size/foil thickness	1/5"/0.05mm



It is an ideal to use HPL/CPL honeycomb panels for cabinets. HPL&CPL Laminate honeycomb panels are available in a variety of colors, patterns and surface textures, providing extensive options for architects and designers. The application of CPL honeycomb panel can be expanded your design possibilities with many versatile solutions for any project – from inspiration to implement.



**FEATURE**

- Excellent environmental performance, no formaldehyde
- High impact resistance and easy to maintain
- Fireproof and waterproof
- Heat & Humidity resistance
- Pest resistance
- Easy to install
- Odourless & Hygienic & Safety

Cabinet panel	Material	cpl laminate honeycomb panel
	Thickness	18mm
	Size	customized
	Edge finish	PVC/ABS edge banding
Countertop	Material	stone honeycomb panel
	Size	customized
Application	van ,boat ,kitchen ,commercial display,hotel	

The modular wardrobes can be configured to fully meet your storage needs. It combines the storage and organization capacity of a reach-in while offering the versatility of armoire cabinetry. We provide wardrobe closet made of cpl laminate honeycomb panel, and with durable and elegant hardware. The hanging rail, shelves and interior drawers are available as configuration options for the inside of the closet.



Wardrobe closet with CPL or HPL honeycomb panels are not only lightweight, but also extremely durable, easy to install and with more colors to choose.



**FEATURE**

- Excellent environmental performance, no formaldehyde
- Durability & Ease of maintenance
- Fire resistance and waterproof
- Heat & Humidity resistance
- Pest resistance
- Easy to install

Cabinet panel	Material	cpl laminate honeycomb panel
	Size	customized
	Edge finish	PVC/ABS edge banding
Accessories	Optional	
Application	van ,boat ,kitchen,hotel	

## INDOOR AND OUTDOOR TABLES

Alcomb is a professional manufacturer of aluminum honeycomb structural furniture tops and compatible steel bases to create simple and streamlined tables without the need for bracing used in both outdoors and indoors settings.

Most of our tables are designed in 10mm thickness, and big table is available at 4 meters long in 20mm thickness. The table is available in three finishes: powder coat, laminate and natural stone.

### POST-POWER COATED FINISH



### TABLE FEATURE

- 10mm/20mm thin innovative table tops
- Low weight and high rigidity
- Weather resistant ,superior durability powder coating
- Aesthetics compatible steel bases
- Vast array of color for options
- Easy to move and rearrange.
- Enable simple and sharp designs



Table top	Size(mm)	2200X1000	2700X1000	3000X1000	3500X1000	4000X1000
	Thickness(mm)	20	20	20	20	20
	Material	aluminum honeycomb panel				
Table base/leg	Material	carbon steel				
	Finish	powder coat, satin, matte				
	Height	750mm				

## INDOOR AND OUTDOOR TABLES

Table top	Size(mm)	1200X600	1500X750	1800X800	2000X1000	2700X1000
	Thickness (mm)	20	20	20	20	20
	Material	aluminum honeycomb panel				
Table base/leg	Material	Carbon steel				
	Finish	powder coat, satin, matte				
	Height(mm)	750				
Application	dining table,community table,restaurant table					



Table top	Size(mm)	1200X600	1500X750	1800X800	2000X1000	2700X1000
	Thickness (mm)	20	20	20	20	20
	Material	aluminum honeycomb panel				
Table base/leg	Material	Carbon steel				
	Finish	powder coat, satin, matte				
	Height(mm)	280				
Application	coffee table,side table,center table					



Table top	Size(mm)	D600X600	D700X700	D800X800	D1000X1000	D1350X1350
	Thickness (mm)	20	20	20	20	20
	Material	aluminum honeycomb panel				
Table base/leg	Material	Carbon steel				
	Finish	powder coat, satin, matte				
	Height(mm)	360				
Application	coffee table,side table,center table					



## NATURAL STONE FINISH

The honeycombed stone is an ideal choice when a natural stone surface is designed for furniture tops.

With aluminum honeycomb panels as reinforcement, a 5mm stone veneer is bonded on top to keep the natural aesthetic beauty with ultra-lightweight and high strength feature.



### TABLE FEATURE

- Natural stone finished table top
- 40% low weight compared to solid stone table
- High resistance to impact
- Resistant to rust and corrosion
- Aesthetics compatible steel bases
- Easy to move and rearrange.



Table top	Size(mm)	2000X800	2200X940	2400X960	2500X1000	2700X1000
	Thickness(mm)	20	20	20	20	20
	Material	marble honeycomb panel				
	Finish	Polished,Honed				
Table base/leg	Material	Carbon steel				
	Finish	powder coat, satin, matte				
	Height	Optional				



Table top	Size(mm)	630X590	640X570	730X580	D900X900	D1000X1000
	Thickness (mm)	20	20	20	20	20
	Material	marble honeycomb panel				
	Finish	Polished,Honed				
Table base/leg	Style	optional				
	Material	Carbon steel				
	Finish	powder coat, satin, matte				
	Height	optional				

Table top	Size(mm)	1000X1000X380	1580X730X430	2000X730X730
	Thickness(mm)	25		
	Material	marble honeycomb panel		
	Finish	Polished,honed		



**TABLE BASES**

Alcomb provide a wide variety of commercial table bases for coffee table, side tables, dining tables, banquettes and custom projects. Combinations of different shapes, sizes and finishes are available to create elegant tables for your indoor and outdoor settings.

Table base/leg	Material	Carbon steel
	Finish	powder coat, satin, matte
	Structure	breakdown structure
	Side table height	280mm
	Coffee table Height	350mm,400mm,500mm,600mm
	Dining table height	700mm,750mm
	Counter table height	860mm,900mm
	Bar table height	950mm,1050mm



BS01

Optional height: 500mm,750mm, 860mm,1050mm



BS02

Optional height: 500mm,600mm, 750mm,850mm,1050mm



BS03

Optional height: 500mm,750mm, 860mm,1050mm



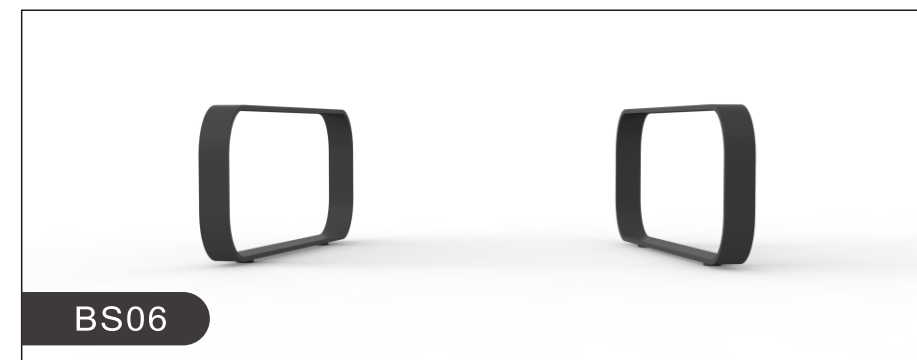
BS04

Optional height: 500mm,750mm, 860mm,1050mm



BS05

Optional height: ,750mm, 860mm



BS06

Optional height: 280mm,350mm



BS07

Height:360mm



BS08

Height:380mm



BS09

Height:750mm



BS10

Height:750mm

OEM,ODM available.