

ulike



Ulike Honeycomb Panel

Sustainable

These composite panels are resistant to a wide range of temperatures, moisture, corrosion, and fungi. They can build furniture in extreme environments and last for decades.

Safe

Compared to plywood boards, aluminum boards don't contain formaldehyde, which causes observable nasal and eye irritation. Decrease the risk of asthma and allergies.

Durable

The design of the honeycomb structure ensures that these panels are highly rigid, about 40 times stronger than the usual material.

Lightweight

Aluminum is known as one of the lightest metals, so these panels are incredibly lightweight without compromising on strength.



Core Substrate
0.118" X 0.118"
(3 X 3 mm)
Thickness:
0.646" (16.4mm)

Surface Skin
0.0315" (0.8mm)
Color/Finish
refer to color chart

Large Panel:
W40" x L108" x T0.709"
W1220 x L2750 x T18(mm)

**PVC
Edge Enclosures**

0.709" (18mm)

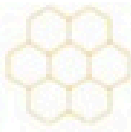
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<https://ulike.en.taiwantrade.com>



Open heart to feel the difference

ulike

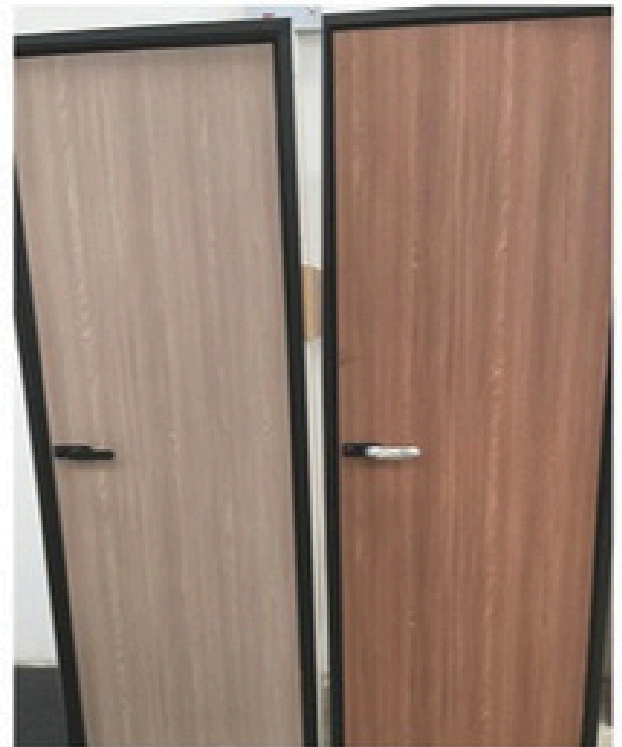
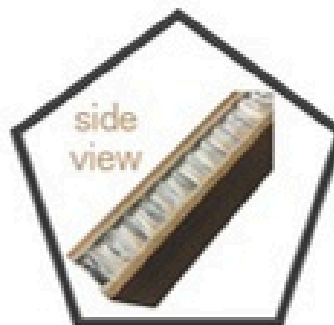
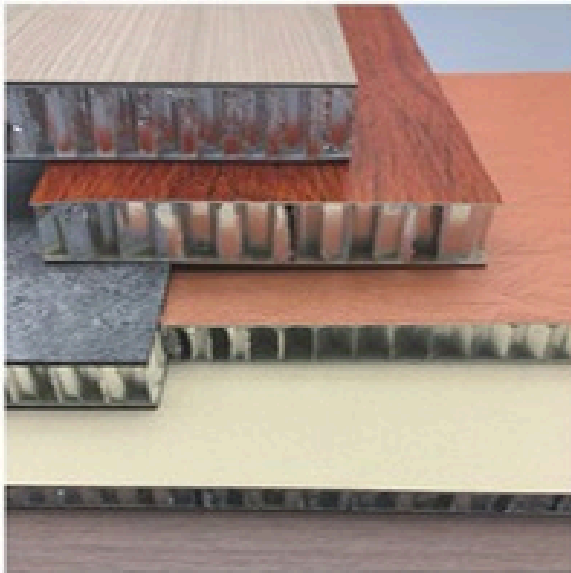
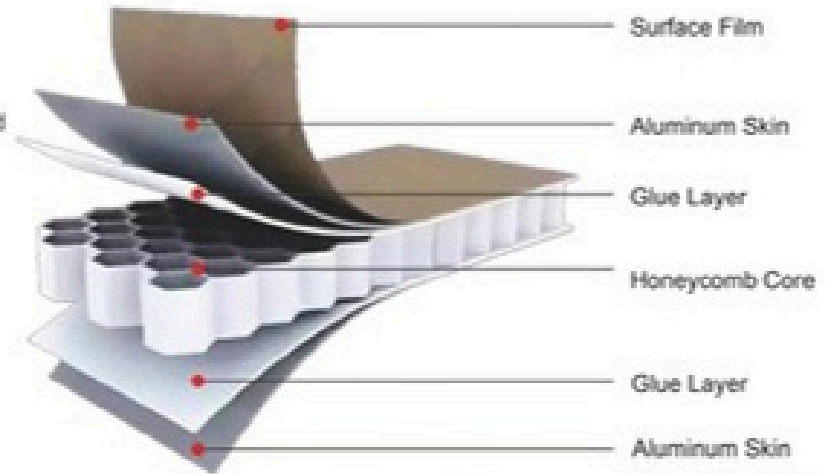


Aluminum Honeycomb Panel – Green construction material

Key Technology

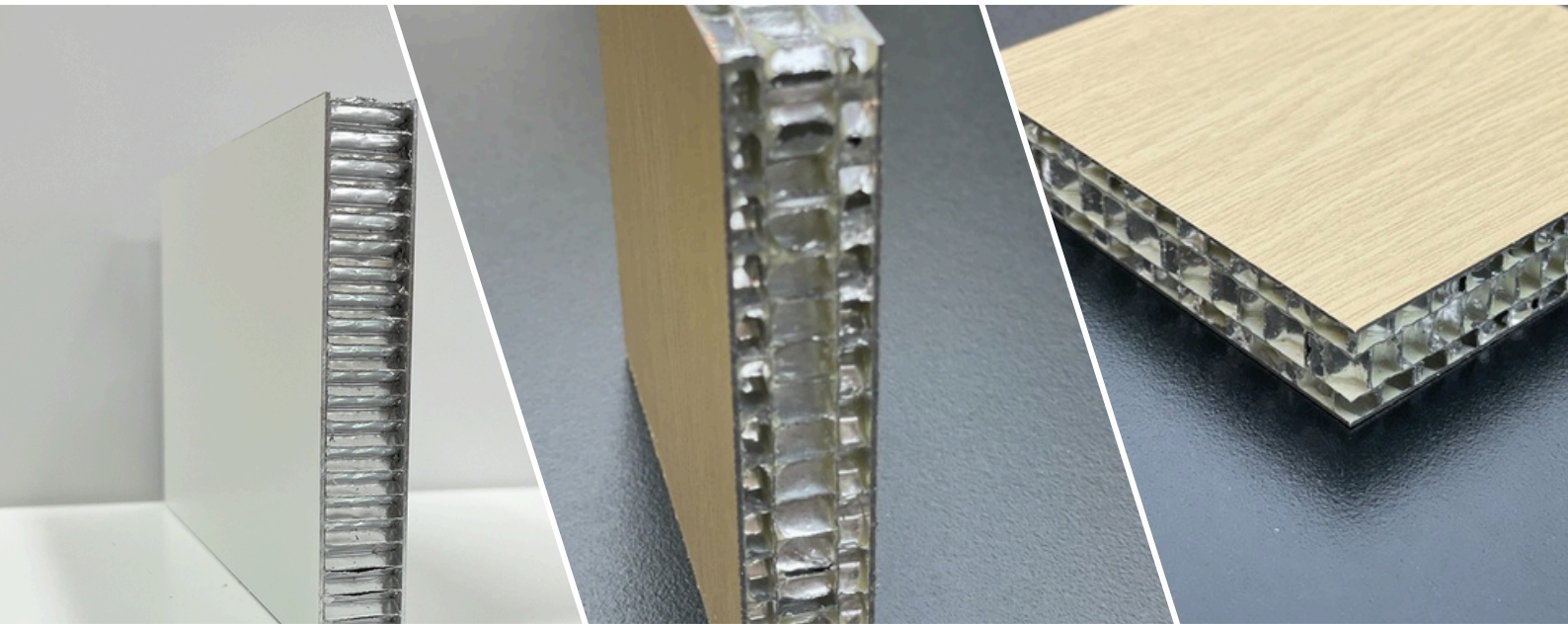
- Composite seven-layer process one-time
- Switch four types of core materials continuously
- Edge banding strength is 1.5 times that of wood board
- Patented technology craked edge banding problem
- Peeling force 63.7kg, patented reinforced connector
- Stronger hanging strength than multi-layer solid wood board
- Composite technology of multiple decorative finishing

Patent Certification



The honeycomb panel offers remarkable versatility and functionality, making it an ideal choice for various interior projects. Additionally, the honeycomb panel exhibits excellent strength and durability, ensuring long-lasting performance even in high-traffic environments. In summary, the honeycomb panel's benchable feature makes it an incredibly practical and adaptable solution for interior applications. Its strength, lightweight nature, and customization options further enhance its value, allowing it to seamlessly blend functionality and aesthetics in diverse spaces.





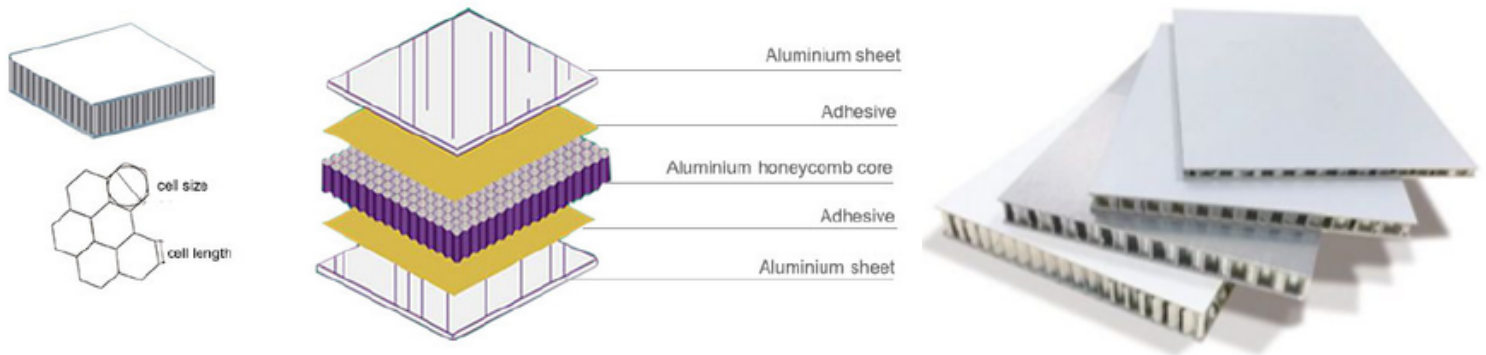
HONEYCOMB PANEL FOR CABINET AND WARDROBE APPLICATIONS

<https://ulike.tech>

Panel Structure

The key attribute that sets aluminum honeycomb panels apart is their impressive strength-to-weight ratio. This means that despite their lightweight nature, they can bear substantial loads and resist bending or buckling. This quality has made them invaluable in applications where weight reduction is critical without compromising structural integrity.

HONEYCOMB PANEL STRUCTURE



Faced sheets	aluminum, fiberglass, carbon fiber, zinc, HPL, galvanized sheet, stainless steel	standard finishes	PVDF coating/painting, wood pattern, stone pattern, powder coating, anodized, mirror finish, printing
Adhesive	Adhesive film, Epoxy, Polyurethane	working temperature	1) -40°C to 117°C for general application 2) -40°C to 200°C for high temperature working conditions
Honeycomb core	aluminum honeycomb AA3003H18, AA5052H18	standard cellsize	1/4", 3/8", 1/2"

Thickness	Application
6mm, 7mm	Ceiling
9mm	Wall decoration
18mm	Cabinet, furniture
40mm	Door

Key Features

Impressive Strength-to-Weight Ratio:

The standout feature of aluminum honeycomb panels lies in their exceptional strength-to-weight ratio. Despite their lightweight nature, these panels exhibit impressive load-bearing capabilities. This makes them invaluable for applications where weight reduction is crucial without compromising structural integrity.

Rigidity and Structural Integrity:

The honeycomb structure imparts rigidity to the panels, allowing them to resist bending, buckling, and deformation under pressure. This trait makes them ideal for environments where stability is a priority.

Lightweight Advantage:

Compared to solid aluminum sheets, aluminum honeycomb panels are significantly lighter. This weight reduction leads to easier handling, transportation, and installation. It also contributes to enhanced fuel efficiency in applications like aerospace and transportation.

Enhanced Insulation:

The honeycomb core structure creates a natural air gap, providing a degree of insulation. This thermal insulation property can be advantageous in applications where temperature control is essential.

Vibration Dampening:

The honeycomb design has inherent vibration-dampening properties, making these panels suitable for settings where vibrations or resonance need to be minimized, such as industrial machinery enclosures.

Design Flexibility:

Aluminum honeycomb panels offer design flexibility, allowing for custom shapes, sizes, and finishes. This adaptability makes them a favored choice for architects and designers looking to create innovative and distinctive structures.

Corrosion Resistance:

Aluminum's natural resistance to corrosion, combined with protective coatings, ensures that these panels maintain their appearance and performance over time, even in challenging environments.

Assembly and installation Part

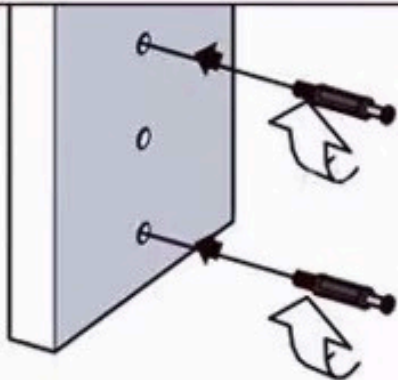


PUR glue

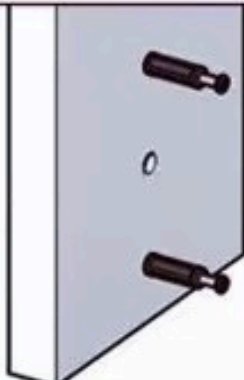
Edge banding



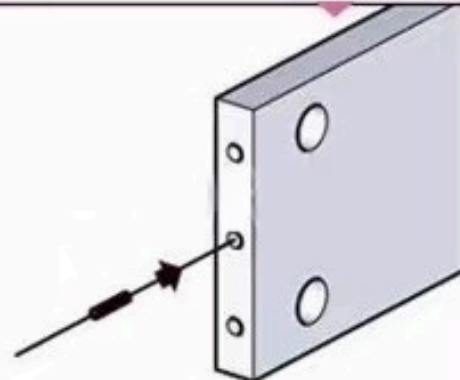
Assembly Instruction for ref



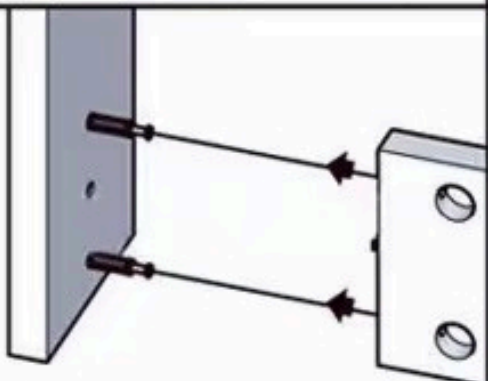
1. Insert the cam fitting into the plastic hole using a screwdriver.



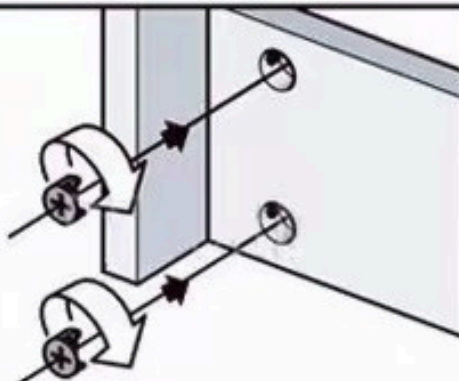
2. Step 1 completed — see illustration.



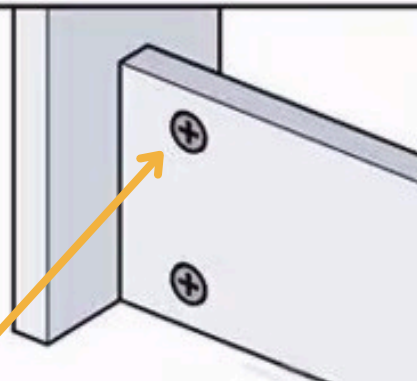
3. Hammer the wooden dowel into the matching hole.



4. Join the two panels together as shown.



5. Insert the cam lock into the hole as shown and tighten with a screwdriver



6. Done.



Honeycomb Panel Installation Manual

(For Assembly with Cam Fittings, PUR Glue & Edge Banding)

Tools & Materials Required

- Screwdriver
- Hammer
- PUR Glue Gun / Applicator
- Edge Banding Iron or Pressing Tool
- Honeycomb Panels
- Cam Lock Fittings (3-in-1)
- Wooden Dowels
- Edge Banding Strips

Step-by-Step Installation Instructions

Step 1: Insert Cam Fittings

Insert the cam bolts into the designated holes on the panel using a screwdriver.

Step 2: Insert Wooden Dowels

Hammer the wooden dowels into the matching holes on the adjoining panel.

Step 3: Join Panels

Align and join the panels as shown. Ensure dowels and bolts are fully inserted.

Step 4: Lock with Cam Mechanism

Insert the cam locks into the pre-drilled holes and tighten using a screwdriver to secure the panels.

Edge Banding Application

Step 5: Apply PUR Glue

Apply PUR glue evenly on the edge of the panel where the edge banding will be placed.

Step 6: Attach Edge Banding

Press the edge banding strip firmly onto the glued edge. Use a pressing tool or roller for uniform adhesion.

Step 7: Finish

Trim any excess and check alignment. Let the glue cure as per the manufacturer's recommendation (usually 5–10 minutes or as stated).

Tips & Reminders

- Ensure panels are dust-free before applying glue.
- Wear gloves and safety goggles when using PUR glue.
- Do not overtighten the cam lock to avoid panel damage.
- Let the adhesive fully cure before moving the assembled unit.

Need Help?

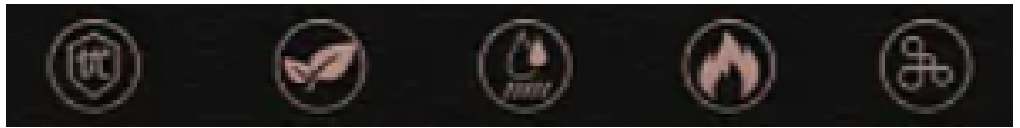
If you encounter issues during installation, please contact us at:

Email: lisa@mail.ulike.com.tw

Website: www.yourcompany.com

Color Chart (SUM)

72 colors available for selection



Durable Eco-friendly Waterproof Fire-resistant Pest-proof

WOOD GRAIN



FLASH SILVER



SOLID COLOR



ALUMINUM PLATE+PET



**Color Chart
(Page 01)**

72 colors available for selection

01



Color: Dick Teak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG001

02



Color: Veli Camphor Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG002

03



Color: Banshan Oak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG003

04



Color: Tediwa Oak Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG004

**Color Chart
(Page 02)**

72 colors available for selection

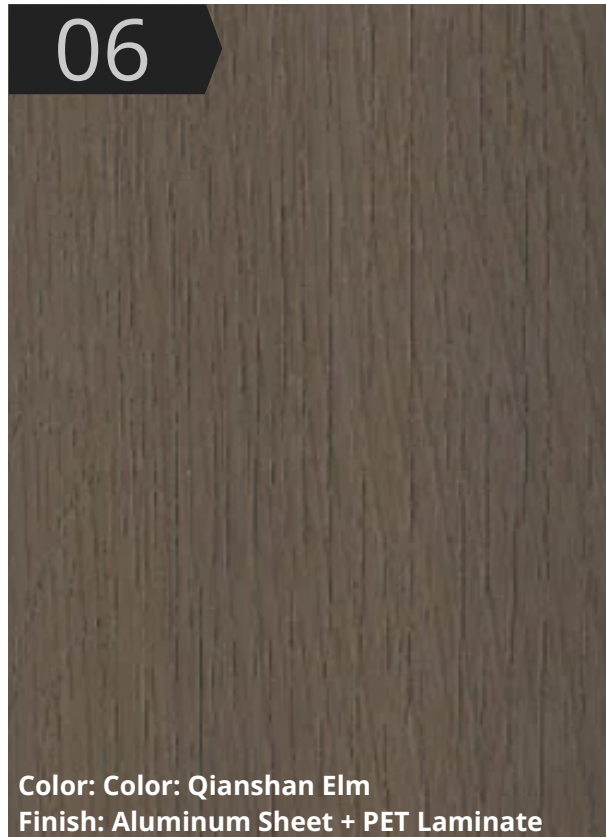
05



Color: Peninsula Teak Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG005

06



Color: Color: Qianshan Elm
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG006

07



Color: North American Straight-Grain Walnut
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG007

08



Color: Volga Elm
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG008

**Color Chart
(Page 03)**

72 colors available for selection

09



Color: Waga Elm
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG009

10



Color: Color: Victor Sabelli
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG010

11



Color: Golden Silk Teak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG011

12



Color: Cypress Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG012

**Color Chart
(Page 04)**

72 colors available for selection

13



Color: Yellow Pine Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG013

14



Color: Color: Dark Padauk
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG014

15



Color: Light Yellow Beech Wood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG015

16



Color: Grey Oak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG016

**Color Chart
(Page 05)**

72 colors available for selection



Color: Yellow Silkwood
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG017



Color: Dark Teak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG018



Color: Light Grey Textile Grain
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG019



Color: Ivory Fabric Texture
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG020

**Color Chart
(Page 06)**

72 colors available for selection

21



Color: Ancona Oak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG021

22



Color: Sicilian Walnut
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG022

23



Color: Crimea Elm
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG023

24



Color: Sanders Oak
Finish: Aluminum Sheet + PET Laminate

Wood Grain #WG024

**Color Chart
(Page 07)**

72 colors available for selection

25



Color: Italian Yellow Teak
Finish: Mixed Oil Wood Grain Transfer

Wood Grain #WG025

26



Color: Italian Grey Pine
Finish: Mixed Oil Wood Grain Transfer

Wood Grain #WG026

27



Color: Windsor Walnut
Finish: High-Temperature Wood Grain Transfer

Wood Grain #WG027

28



Color: Classic Fragrant Teak
Finish: High-Temperature Wood Grain Transfer

Wood Grain #WG028

**Color Chart
(Page 08)**

72 colors available for selection

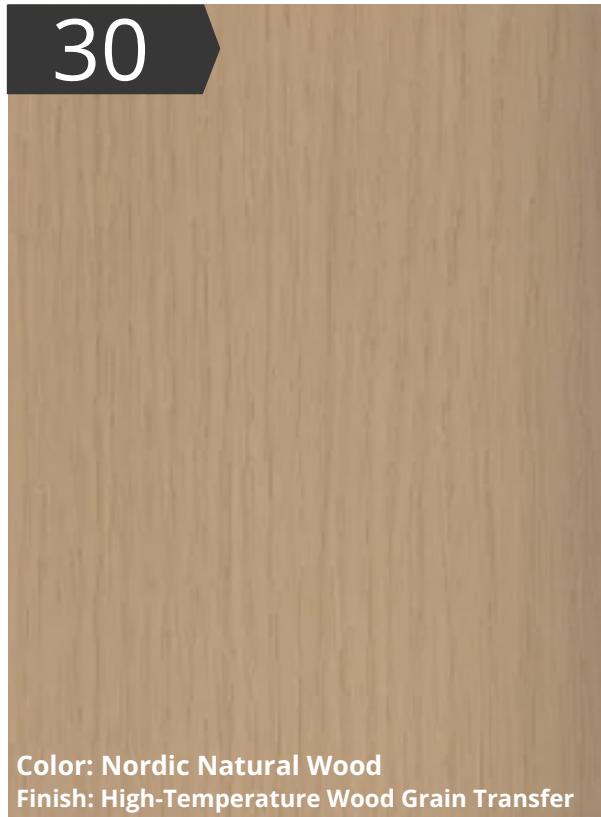
29



**Color: Su Fragrant Paulownia Wood
Finish: High-Temperature Wood Grain Transfer**

Wood Grain #WG029

30



**Color: Nordic Natural Wood
Finish: High-Temperature Wood Grain Transfer**

Wood Grain #WG030

31



**Color: Engineered Wood
Finish: High-Temperature Wood Grain Transfer**

Wood Grain #WG032

32



**Color: Dubai Yellow Oak
Finish: High-Temperature Wood Grain Transfer**

Wood Grain #WG032

**Color Chart
(Page 09)**

72 colors available for selection

33



Color: Yellow Zelkova
Finish: Mixed Oil Wood Grain Transfer

Wood Grain #WG033

34



Color: Aromatic Sandalwood
Finish: Mixed Oil Wood Grain Transfer

Wood Grain #WG034

35



Color: Cincinnati
Finish: High-Temperature Wood Grain Transfer

Wood Grain #WG035

36



Color: Deep Autumn Grey
Finish: Silver Metallic Fluorocarbon Coating

Flash Silver #FS001

**Color Chart
(Page 10)**

72 colors available for selection

37

Color: Pearl Cocoa Gray
Silver Metallic Fluorocarbon Coating

Flash Silver #FS002

38

Color: Magic Grey
Silver Metallic Fluorocarbon Coating

Flash Silver #FS003

39

Color: Shark Grey
Finish: Silver Metallic Fluorocarbon Coating

Flash Silver #FS004

40

Color: Summer White
Finish: Silver Metallic Fluorocarbon Coating

Flash Silver #FS005

**Color Chart
(Page 11)**

72 colors available for selection

41

**Color: Pear Blossom White
Finish: Silver Metallic Fluorocarbon Coating**

Flash Silver #FS006

42

**Color: Pearl Shimmer Silver Gray
Finish: Silver Metallic Fluorocarbon Coating**

Flash Silver #FS007

43

**Color: Pearl White
Finish: Solid Color Spray Coating**

Solid Color #SC001

44

**Color: Fendi Orange
Finish: Solid Color Spray Coating**

Solid Color #SC002

**Color Chart
(Page 12)**

72 colors available for selection

45

**Color: Pear Munich Black
Finish: Solid Color Spray Coating**

Solid Color #SC003

46

**Color: Skin-feel Khaki Grey
Finish: Solid Color Spray Coating**

Solid Color #SC004

47

**Color: Skin-feel Apricot Yellow
Finish: Solid Color Spray Coating**

Solid Color #SC005

48

**Color: Skin-feel Rouge Pink
Finish: Solid Color Spray Coating**

Solid Color #SC006

**Color Chart
(Page 13)**

72 colors available for selection

49

Color: Skin-feel Lake Blue
Finish: Solid Color Spray Coating

Solid Color #SC007

50

Color: Skin-feel Light Grass Green
Finish: Solid Color Spray Coating

Solid Color #SC008

51

Color: Skin-feel Elegant Grey
Finish: Solid Color Spray Coating

Solid Color #SC009

52

Color: Skin-feel Athens White
Finish: Solid Color Spray Coating

Solid Color #SC010

53

Color: Skin-feel Cocoa Grey
Finish: Solid Color Spray Coating

Solid Color #SC011

54

Color: Skin-feel Dark Grey
Finish: Solid Color Spray Coating

Solid Color #SC012

55

Color: Sand Grey
Finish: Solid Color Spray Coating

Solid Color #SC013

56

Color: Pearl Grey
Finish: Solid Color Spray Coating

Solid Color #SC014

**Color Chart
(Page 15)**

72 colors available for selection

57

**Color: Matte Pure White
Finish: Solid Color Spray Coating**

Solid Color #SC015

58

**Color: Skin-feel Apricot Yellow
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET01

59

**Color: Skin-feel Khaki Grey
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET02

60

**Color: Skin-feel Cement Grey
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET03

61

**Color: Skin-feel Glacier White
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET04

62

**Color: Skin-feel Latte Beige
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET05

63

**Color: Skin-feel Swan White
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET06

64

**Color: Skin-feel Jeju Grey
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET07

**Color Chart
(Page 17)**

72 colors available for selection

65

Color: Skin-feel Luxe Grey
Finish: Aluminum Panel + PET Laminate

Aluminum Plate+PET #PET08

66

Color: Skin-feel Ivory Grey
Finish: Aluminum Panel + PET Laminate

Aluminum Plate+PET #PET09

67

Color: Skin-feel Pearl Grey
Finish: Aluminum Panel + PET Laminate

Aluminum Plate+PET #PET10

68

Color: High-gloss Cement Grey
Finish: Aluminum Panel + PET Laminate

Aluminum Plate+PET #PET11

**Color Chart
(Page 18)**

72 colors available for selection

69

**Color: High-gloss Glacier White
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET12

70

**Color: High-gloss Latte Beige
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET13

71

**Color: High-gloss Swan White
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET14

72

**Color: High-gloss Jeju Grey
Finish: Aluminum Panel + PET Laminate**

Aluminum Plate+PET #PET15

Aluminum Honeycomb Panel for Cabinets

NO.1 / Fireproof, Heat-Insulating & High-Temperature Resistant

Made entirely of aluminum alloy, the all-aluminum honeycomb panel offers excellent resistance to high temperatures. It maintains structural integrity without deformation or combustion, even in extreme heat.

NO.2 / Full-Height Door Design Without Straightener

With high strength and dimensional stability, the panel requires no additional straighteners to keep door surfaces flat—greatly reducing installation costs and maintenance efforts.

NO.3 / Insect & Termite Resistant

Aluminum alloy contains no organic materials, making it naturally resistant to pests such as insects and termites.

NO.4 / Recyclable & Reusable

As an eco-friendly material, all-aluminum honeycomb panels can be fully recycled and reused, contributing to sustainable building practices.

NO.5 / Waterproof, Moisture-Resistant & Mold-Proof

The inherent waterproof nature of aluminum, combined with the honeycomb structure, enhances resistance to moisture and effectively prevents mold growth.

NO.6 / Eco-Friendly & Free of Formaldehyde

No formaldehyde or harmful substances are added during production. Environmentally friendly adhesives are used to ensure a safe and healthy material.

NO.7 / Durable & Impact-Resistant

With high hardness and strength, the aluminum alloy and honeycomb design provide excellent resistance to deformation and impact.

NO.8 / Scratch-Resistant, Wear-Resistant & Easy to Clean

The panel surface is specially treated to resist scratches and wear. It's also easy to maintain—just wipe clean with a damp cloth. Plus, the material is fully recyclable.