



maxBOND

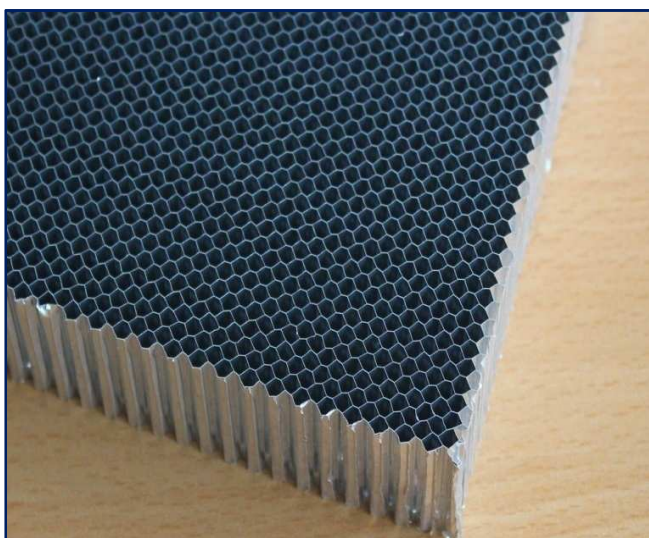
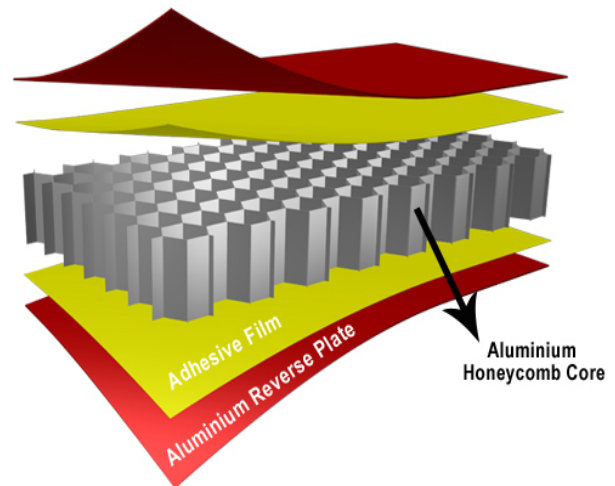
Aluminium Honeycomb Panel

Aluminium Composite Panel
Sign & Display Panel
Aluminium Honeycomb Panel

Introduction

Aluminium Honeycomb Panel (AHP)

is a sort of sandwich panel consisting of two aluminium plates as face panels and hexagonal aluminium honeycomb cell as core materials, bonded together by aviation-purpose glue or macromolecule lamination film. The surface of the Maxbond aluminum honeycomb panels are made of aluminum alloy plates roller coated with PVDF or Polyester (PE) according to the purpose.



Honeycomb Core in Aluminium



Aluminium Honeycomb Panel



Aluminium Honeycomb Panel

Product Information

Maxbond Honeycomb Panels are well known for their strength and lightness. The aluminium honeycomb core, the nature's best architectural design makes the panel strong and meanwhile it remains as a light weight panel. Available in different thicknesses for core and skin, Maxbond honeycomb core material is available with aluminium and polypropylene materials. Maxbond AHP is approved for different applications in Ship Building and the products are verified to be according to the International Marine Organization (IMO) standards.



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Aluminium Honeycomb Panel

Product Information

The continuous production process allows the production of large size panels up to lengths of 9m, with superior flatness. Clean, easily fabricated with perfect details, a great variety of applications is possible with the use of ordinary tools. Its particular characteristics make Maxbond AHP the ideal choice not only for outdoor applications such as facade cladding, roofing, balconies, shelters, etc., but also for interior design like artistic ceilings, or for applications in transport and industry like ships and airplanes.

Major Applications

- Architectural
- Aviation industry
- Furniture manufacturing and Interior decoration
- Advertising & Exhibitions
- Ceiling and Partition
- Ship Hull building



Advantages

- Large Variety of Colors and Low Weight
- Excellent strength
- High Resistance to Moisture
- High Resistance to Corrosion
- Excellent Thermal Conductivity
- Superior Flatness
- Non-combustible



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Aluminium Honeycomb Panel

Product Information

Specifications

Thickness: From 5 mm - 500 mm

Aluminium Cover Sheets: 0.50 mm – 2.0 mm

Core Size: 6mm – 20 mm

Cell Foil Thickness: 50 -70 microns

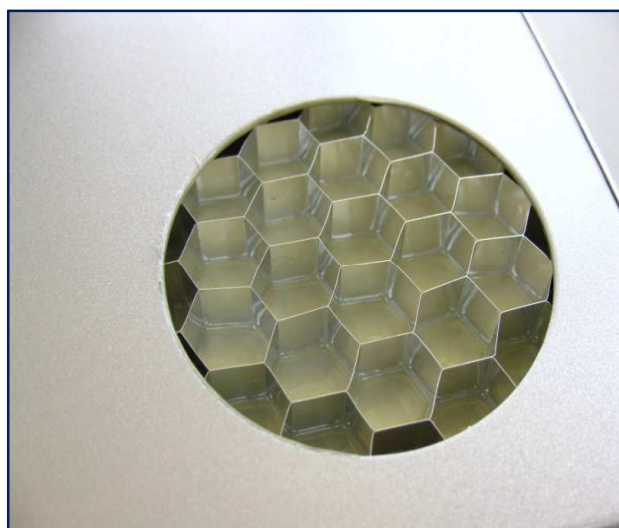
External Finish: PVDF / Polyester / Mill Finish

Color: Maxbond Standard / RAL/ Custom colour

Standard Width: 1220mm, 1250mm

Available Widths: 600mm, 1000mm, 1250 mm,
1500mm, 2000 mm, or other custom length

Lengths Available: 600 mm – 6000 mm



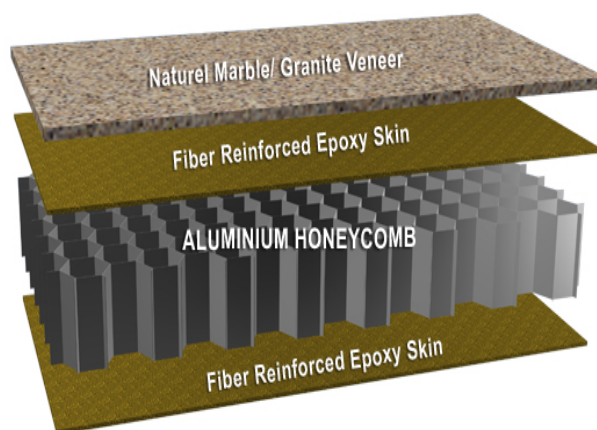
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Natural Stone Granite Veneer AHP

Product Information

Stone Honeycomb Panels are composite wall panels made up of a thin natural stone veneer reinforced with an aluminum honeycomb (Alternatively we can use Polypropylene or Fiberglass Honeycomb also) backing. Combining the timeless beauty of authentic natural stone with aluminum honeycomb technology.



Maxbond Stone AHP is the global choice for commercial stone wall panel and cladding applications. The stone veneer can be almost any stone including granite, marble, limestone, travertine and onyx. The natural stone is mostly in the thickness of 3mm - 5mm



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Product Information

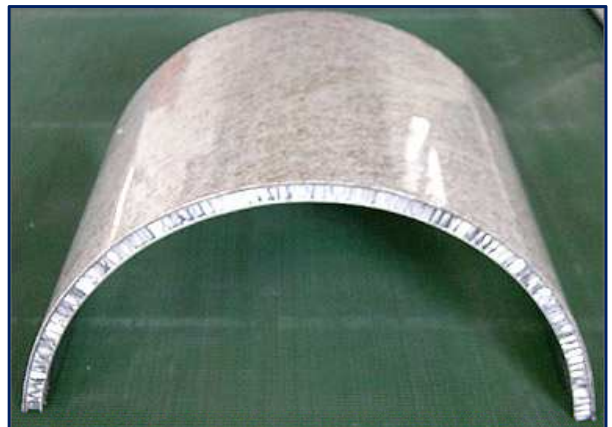
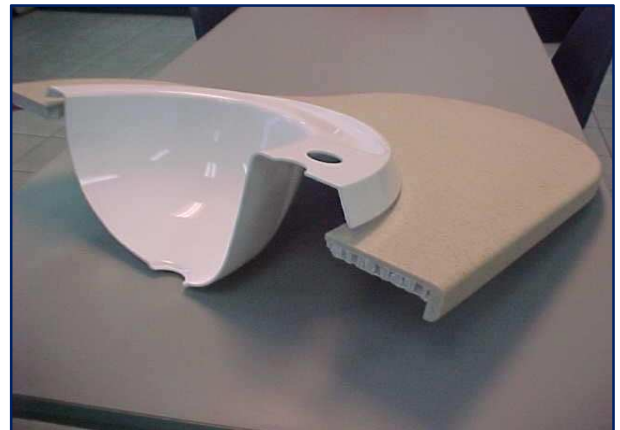
Major Application Areas:

Architectural : Exterior or Interior Cladding, Flooring, Cleanroom Tiles etc.

Furniture manufacturing : Kitchen Tabletops, Dining tables etc.

Interior Decoration: Elevator Wall and Floor etc.

Kitchen & Bathroom: Countertop, Vanity top, etc.





HPL Honeycomb Panel

Product Information

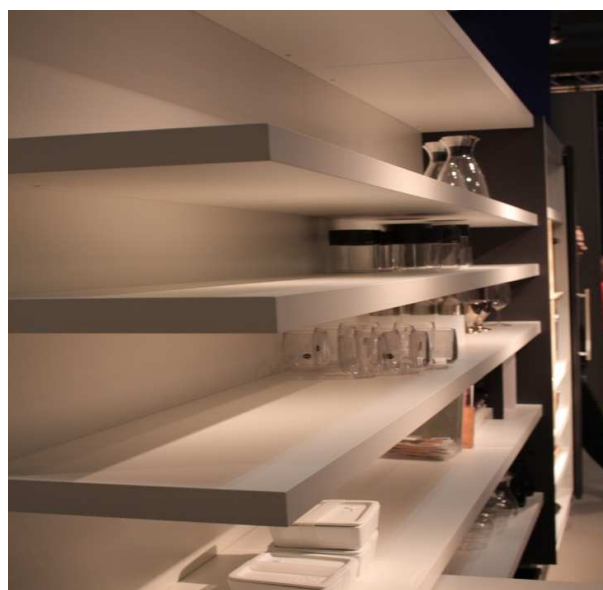
Maxbond HPL AHP has aluminium laminated with decorative HPL (High Pressure Laminate) sheet as covering in front and /or rear. Normally high pressure laminate (Abet Laminati or Formica) will be cold laminated to the aluminium coil before making the honeycomb panel. The Laminated facings are bonded to the aluminium honeycomb using special structural adhesives. The panel is available both single side and double side



※ HPL is available from 0.60mm to 4.00mm and with many colors. Please contact us for details.



Maxbond HPL AHP is used as Ship Interior Decoration material.



Maxbond HPL AHP is used as Cabinet Shelves.

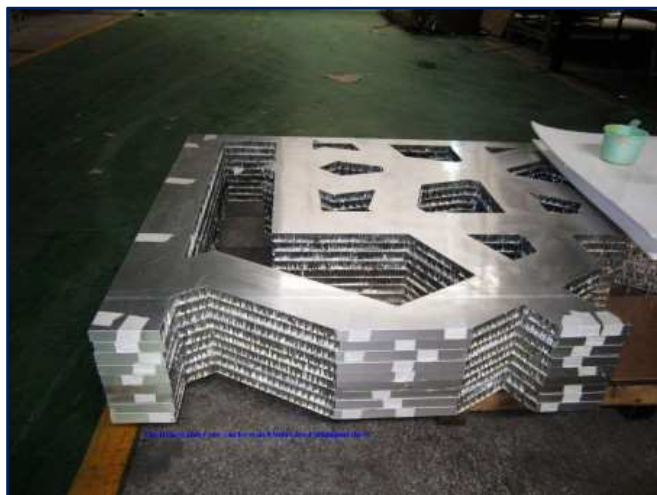
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CNC
Shaped
AHP

Product Information

Maxbond AHP can be fabricated to different shape according to customer's design. We are equipped with advanced CNC machines that help us to assure the precision and variety of the panel designs. Below are some examples. For more details, please contact us freely.



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