



BLOOH SOLUTION
LTD.

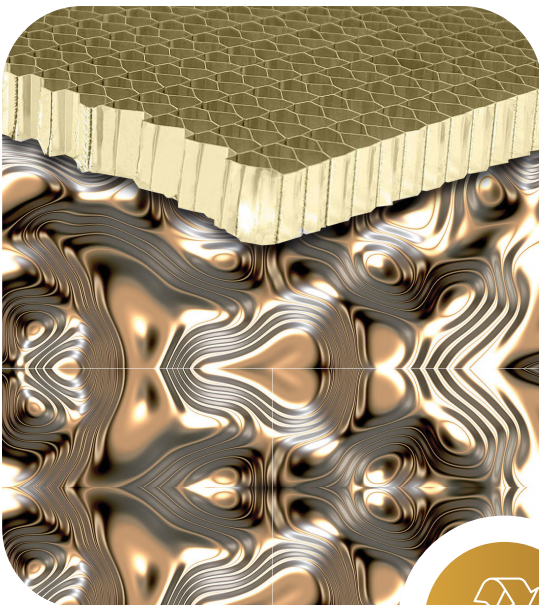
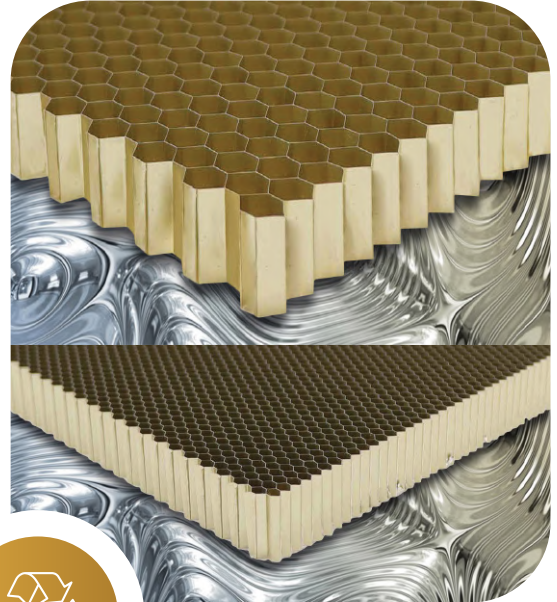
HONEYCOMB TECHNOLOGY PORTFOLIO

A FULL RANGE OF CORES AND
PANELS FOR AEROSPACE, MARINE,
AND ARCHITECTURAL APPLICATIONS.

HONEYCOMB PANELS MADE OF ALUMINUM

Aluminum honeycomb panels offer high stability with very low weight. They are suitable for use in a wide range of industries—whether for the automotive industry, aerospace, defense sector, or other industrial fields. In addition to their excellent durability, the panels are also thermally conductive and temperature-resistant, making them suitable for a variety of applications.

- withstand high temperatures
- very good thermal conductivity
- fire-resistant
- corrosion-resistant
- resistant to mold and fungal growth
- high load capacity
- high resistance to mechanical stress



HONEYCOMB STRUCTURES MADE OF ALUMINUM

Aluminum honeycomb panels can be formed into three-dimensional objects, offering a wide range of application possibilities.

COST-EFFECTIVE PRODUCTION

Compared to other manufacturing methods, producing objects using honeycomb technology involves very low production costs.

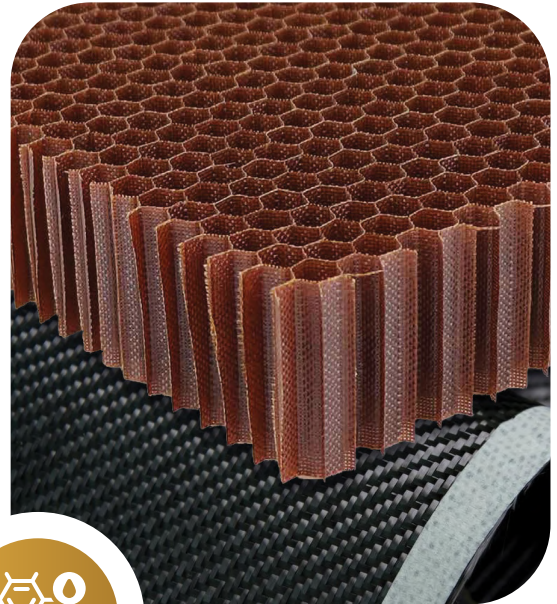
MULTIPLE POSSIBILITIES

Honeycomb technology allows objects to be created in a wide variety of shapes. The honeycomb size and the density of the panels are also variable.

HONEYCOMB PANELS MADE OF GLASS FIBER RESIN COMPOSITE

These honeycombs consist of a lightweight and durable composite of glass fiber and resin. The glass fiber composite has good properties in terms of fire protection.

- withstands high temperatures
- various glass fibers available
- resistant to corrosion
- moisture-resistant
- non-conductive



NOMEX® HONEYCOMB PANELS WITH ARAMID FIBER

The honeycombs here are made of a flame-retardant, lightweight material. High-quality DuPont Nomex® is used to meet the highest quality standards.

- flame-retardant
- dimensionally stable and lightweight
- resistant to corrosion
- available in various versions
- globally certified
- available with or without crumple zones
- can be pre-perforated individually

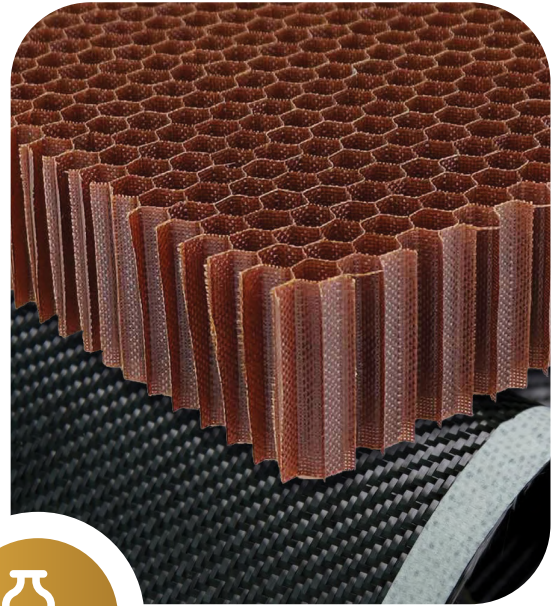
HONEYCOMB PANELS WITH KEVLAR®

Kevlar® is a highly durable, resilient, and extremely lightweight material with excellent fire protection properties. For our panels, we use DuPont Kevlar®, which meets the highest quality standards. The Kevlar® fibers are coated with high-grade resin.

HONEYCOMB PANELS MADE OF GLASS FIBER RESIN COMPOSITE

These honeycombs consist of a lightweight and durable composite of glass fiber and resin. The glass fiber composite has good fire protection properties.

- highly flame-retardant
- dimensionally stable and extremely lightweight
- resistant to corrosion
- available in various versions
- globally certified
- can be individually pre-perforated

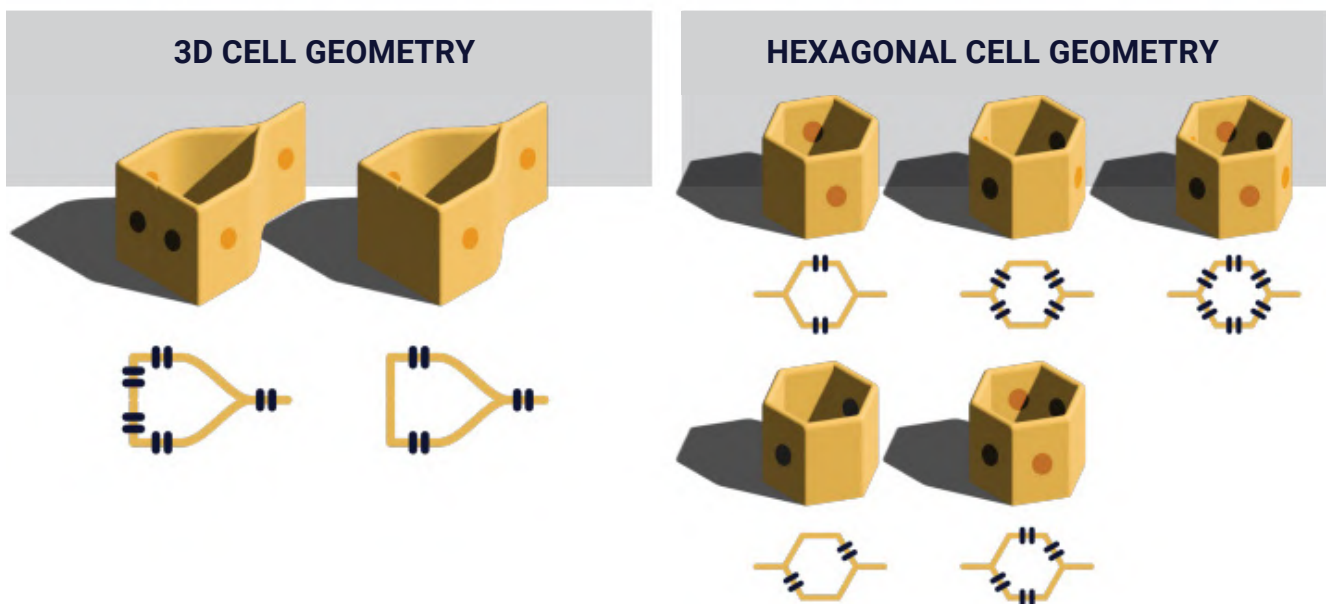
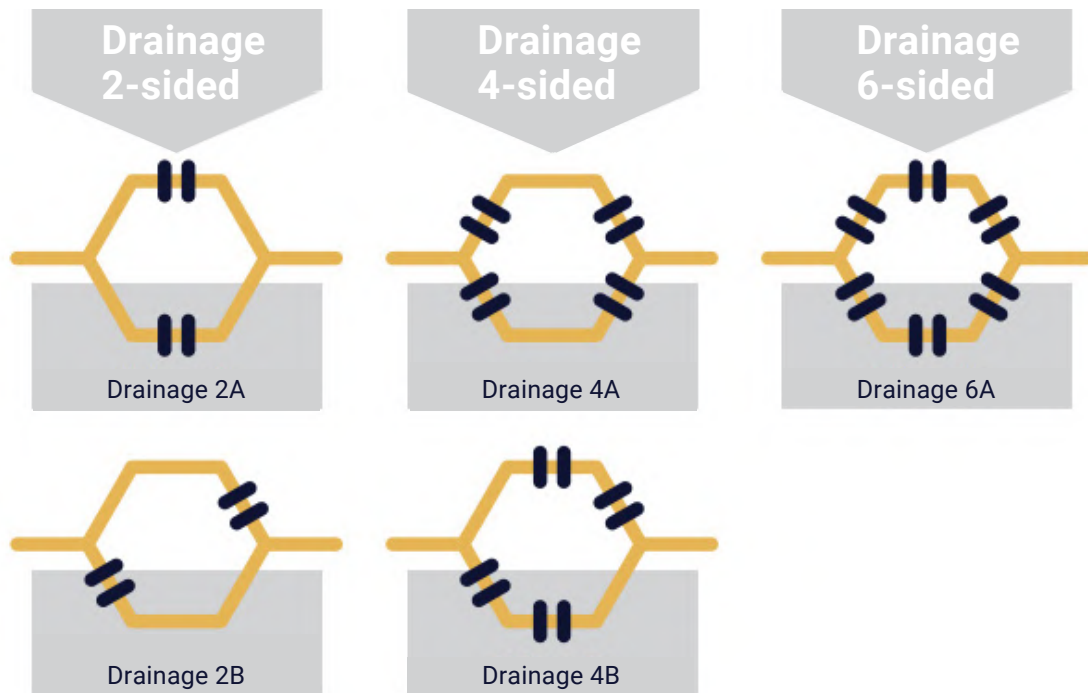


HONEYCOMB PANELS MADE OF ALUMINUM

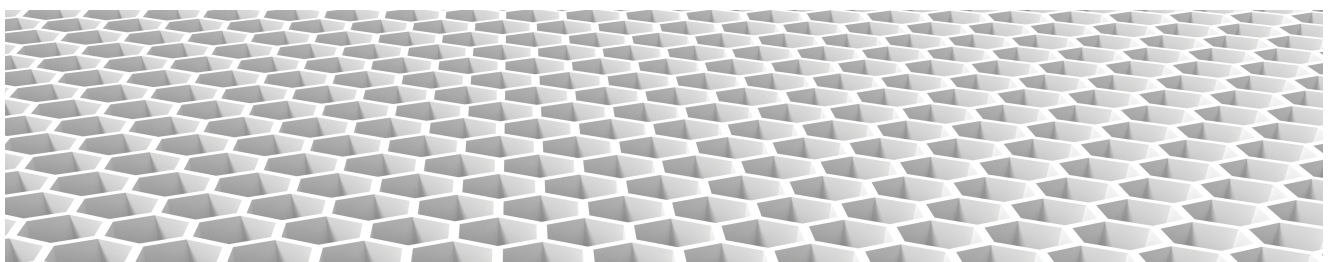
The honeycomb panels are particularly pressure-resistant, making them suitable for industrial applications. A honeycomb panel with a length of 6 meters can be produced with a thickness of up to 30 centimeters.

- zirconium oxide coating for corrosion protection
- aluminum foil thickness: 60 and 80 µm
- possible cell size: 3.2 mm – 19.2 mm
- weight: 29 – 130 kg/m³
- operating temperature: -55 – 177 °C
- custom perforation possible
- can be formed three-dimensionally

CUSTOM PERFORATION AND DRILLING



MIKROPERFORATION



DRIVING INNOVATION FORWARD!



**FOR MORE INFORMATION
PLEASE CONTACT:**



BLOOH Solution Ltd.
1055 Dunsmuir St
Vancouver, BC V7X 1L4

Tel: +1 604 260 6692