

ALUMINIUM PANEL 5052/5056

Aluminium honeycombs with various surface layers made from different materials such as Aluminium, fiber-glass-reinforced plastic (GFRP), and carbon fiber-reinforced plastic (CFRP).

- Excellent resistance to corrosion and moisture
- · High load capacity relative to its weight
- · Suitable for higher temperatures





CARBON FIBER PANEL

High-quality panels with a carbon fiber honeycomb core and a durable carbon fiber outer layer.

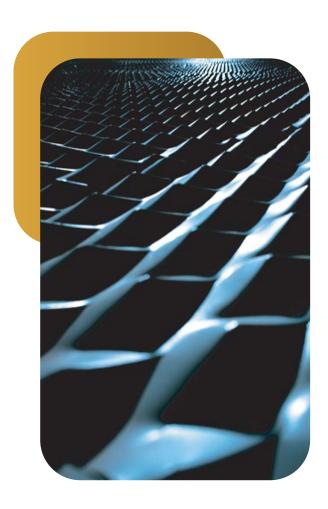
- Available in various sizes
- Suitable for aerospace applications
- Combination of carbon fiber and cyanate ester resin
- Internal ventilation through perforated honeycomb structure
- Free from ITAR restrictions

GLASS FIBER PANEL

Durable panel with a glass fiber core in honeycomb technology, available in various sizes.

- Very lightweight construction
- Suitable for aerospace applications
- Internal ventilation through perforated honeycomb structure
- Free from ITAR restrictions





ALUMINIUM PANEL 3003

The 3003 Aluminium panel is particularly well-suited for industrial applications and is available in lengths of up to 18 linear meters.

- The inner core consists of a 3003
- Aluminium alloy
- · The outer layer is made of 5754
- Aluminium sheet
- · Honeycomb perforation possible
- Designed for continuous loads in
- Temperature range from -55 to 180°C

Aluminium CARBON FIBER PANEL

The Aluminium-carbon fiber panels have a honeycomb core made of Aluminium and a carbon fiber outer layer.

- High heat resistance: suitable for continuous exposure up to 180°C
- · Outer layer made of durable carbon fiber
- Honeycomb core made of 5052, 5056, or 3003 Aluminium alloy
- · Customizable surface design





PHENOLIC RESIN PANEL

Custom-made, durable composite panel with a glass fiber honeycomb core and a phenolic resin outer layer. Well-suited for industrial applications or aircraft interior fittings.

- · Very lightweight
- · Extremely durable
- Moisture-resistant
- EASA-approved for interior use

RAIL PANELS

Custom-made composite panels with cores made of honeycomb, foam, cork, and other lightweight materials, and outer layers of Aluminium, fiberglass, carbon fiber, steel, and other possible materials.

- Configurable according to customer requirements
- Can be processed in various ways
- · Option to integrate profiles





SEMIFINISHED PANEL FOR AVIATION

Ready-to-install floor panel for cargo compartments

- Primed surface
- High load capacity
- · Ready for installation
- Impact-resistant
- Shockproof

AEROSPACE PANELS

For aerospace applications, we offer structural panels made of high-quality Aluminium with the option to integrate heat pipes. The panels can be manufactured from carbon fiber, glass fiber, or other materials. If required, the panels can be reinforced with profiles or fitted with inserts.



INDUSTRIAL PANELS

Our industrial panels can be manufactured in sizes up to 3×18 meters. They are highly durable and withstand continuous temperatures of up to 180° C. The panels can be further processed as needed or equipped with inserts, edge profiles, or rollers. Various surface treatments and decorative finishes are available for the panel surfaces.



MATERIAL COMBINATIONS

INFINITY ENERGY	SURFACES	HONEYCOMB CORE	ADDITIONAL OPTIONS
High-strength panels with extremely low weight and high rigidity for use in aerospace, defense, and industrial sectors.	 Unidirectional Carbon Prepreg 	KEVLAR® Honeycombs	• Inserts (Metal, ABS)
	 Carbon Texture Prepreg 	NOMEX® Honeycombs	• Helicoils
	• Epoxy Glass Prepreg	Glass Fiber Honeycombs	Cable Channels
	 Phenolic Glass Prepreg 	Aluminium Honeycombs 5052 and 5056	 Rails and Profiles
	Aluminium	 Aluminium Honeycombs 3003 	

CENTER FOR RESEARCH AND DEVELOPMENT

At our Competence Center, new materials are continuously developed and tested. The center focuses primarily on the following tasks:

- · Product Development
- Extensive Testing
- Prototype Development
- Product Certification





OUR LARGE PRESSES

Our facility houses a wide range of presses for the production of our honeycomb panels.

The largest press is capable of producing honeycomb panels up to 18 meters in length.

EPOXY RESIN PANELS

Lightweight honeycomb panel with an epoxy resin outer layer. Well-suited for aircraft interior fittings.

- Very lightweight
- Extremely durable
- Moisture-resistant
- EASA-approved for interior use



QUALIFICATIONS AND CERTIFICATIONS



DRIVING INNOVATION FORWARD!

