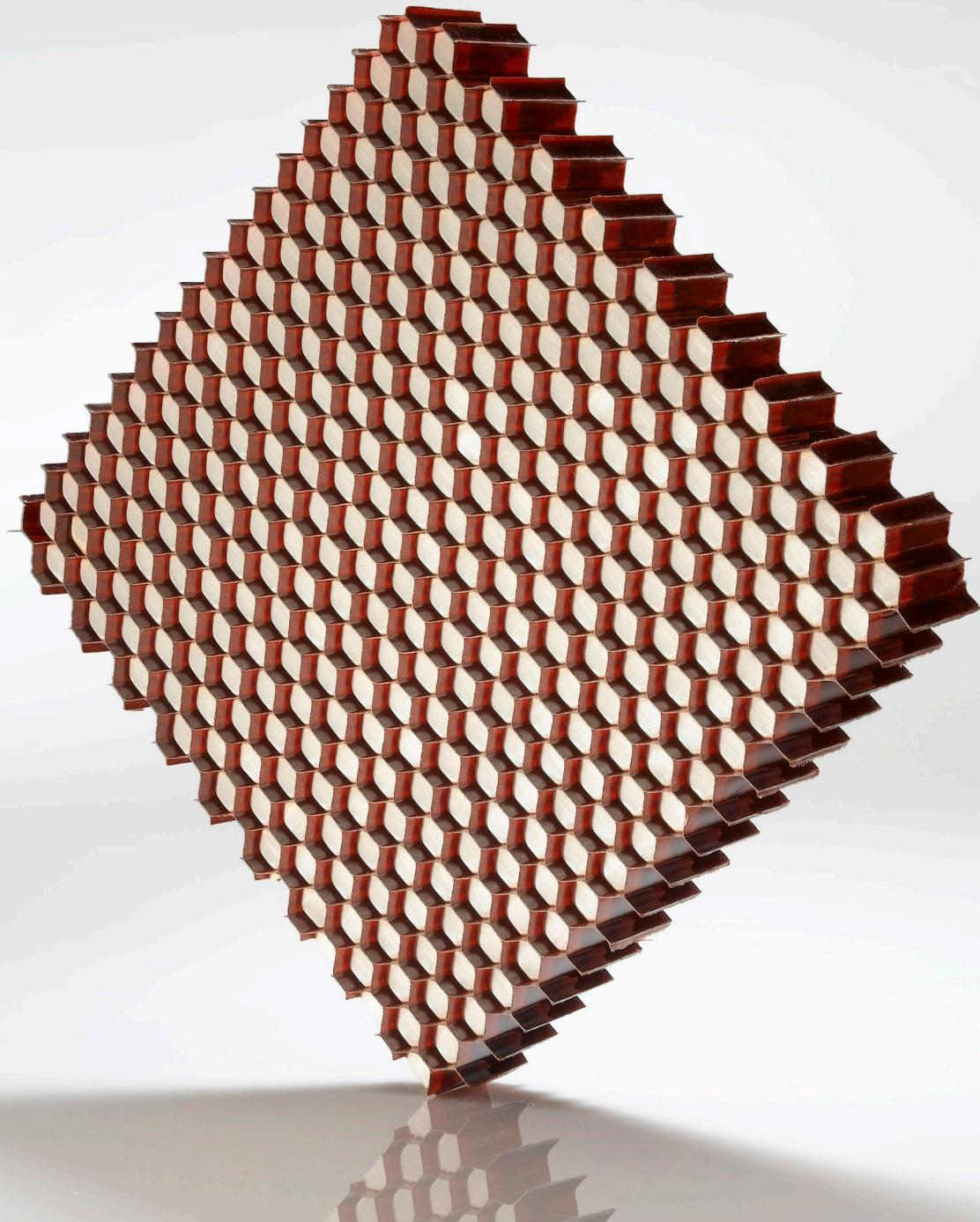




HexWeb® Acousti-Cap®

broadband sound reducing honeycomb

HexWeb® Acousti-Cap® is a broadband sound-reducing honeycomb that enables engine designers to achieve superior acoustical performance, including dramatic noise reduction during takeoff and landing without a structural weight penalty.





HexWeb® Acousti-Cap®

broadband sound-reducing honeycomb

HexWeb® Acousti-Cap® provides marked noise reduction when used in airplane engines providing the following benefits:

- Lower landing fees at airports (a recurring savings)
- Increased fleet flexibility
- Improved cabin comfort
- Reduction in other acoustic treatments, resulting in lower weight and cost

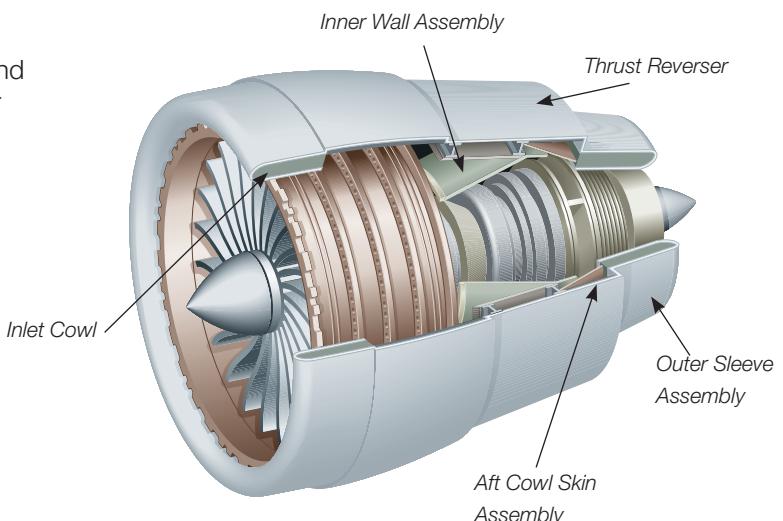
HexWeb® Acousti-Cap® enables aircraft engine designers to achieve superior acoustical performance, including dramatic noise reduction during take off and landing, without a structural weight penalty. This marks an improvement on current technology, which requires trade-offs between weight and noise reduction. Acousti-Cap® consists of a non-metallic permeable cap material embedded into an honeycomb core to create an acoustic septum.

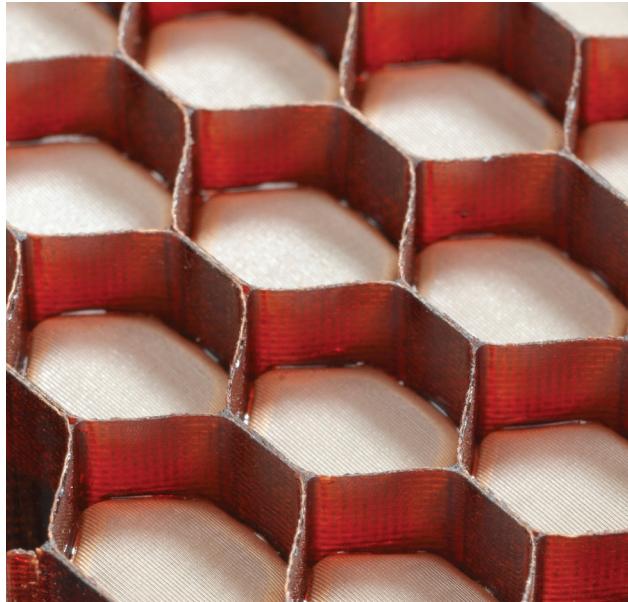
Hexcel's customers specify the flow resistance characteristics they want in the product, as well as overall core thickness, numbers of caps in a cell, and insertion depth. The result: a product tuned to their acoustic requirements.

Both new and current engine designs may benefit from adoption of Acousti-Cap's remarkable new technology.

An aluminum version of Acousti-Cap® is also available that provides comparable broadband noise reducing performance, with added cost-savings benefits.

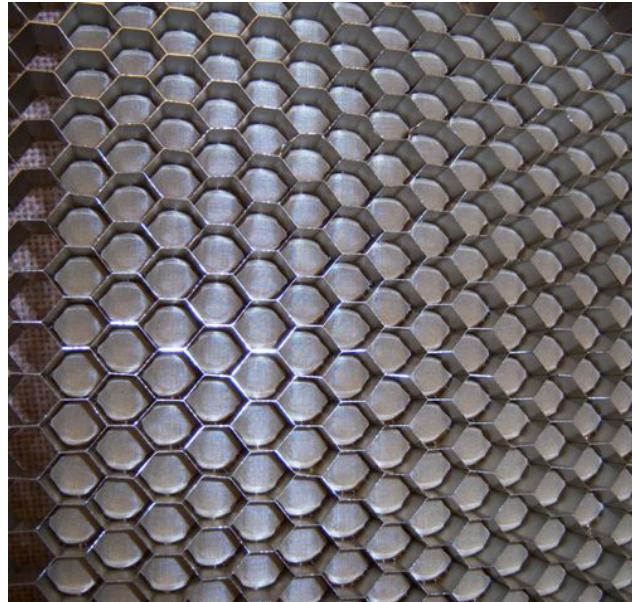
Aluminum Acousti-Cap® can withstand temperatures of up to 175°C/350°F during fabrication of the nacelle core blanket and is processable using industry-standard techniques for forming, joining, cutting and machining.





Non-Metallic HexWeb® Acousti-Cap®

consists of permeable cap material embedded into a honeycomb core to create an acoustic septum.



Aluminum HexWeb® Acousti-Cap®

provides comparable broadband noise reducing performance, with added cost-savings benefits.



Seaming Technology

Hexcel innovative seaming technology delivers a “spliceless” part for greater structural integrity.

Hexcel Product Family



**HexTow®
Carbon Fiber**



**HexFlow®
Resins**



**HexMC® Molding
Composite**



**HexForce®
Reinforcements**



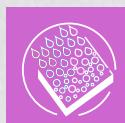
**Polyspeed®
Laminates**



**HexWeb®
Honeycomb Core**



**HiTape®
Advanced
Reinforcements**



**Modipur®
Polyurethane**



**HexWeb®
Engineered Core**



**HexPly®
Prepregs**



**HexBond®
Adhesives**



**HexTool®
Tooling Material**



**HiMax®
Multiaxial
Reinforcements**



**HexAM®
Additive
Manufacturing**

For more information

Hexcel is a leading worldwide supplier of lightweight composite materials to aerospace and industrial markets. Our comprehensive range includes:

- HexTow® carbon fibers
- HexForce® reinforcements
- HiMax® multiaxial reinforcements
- HexPly® prepgres
- HexMC®-i molding compounds
- HexFlow® RTM resins
- HexBond® adhesives
- HexTool® tooling materials
- HexWeb® honeycomb
- Acousti-Cap® sound attenuating honeycomb
- Engineered core
- Engineered products
- Polyspeed® laminates & pultruded profiles
- HexAM® additive manufacturing

For U.S. quotes, orders and product information call toll-free 1-888-611-4038. For other worldwide sales office telephone numbers and a full address list, please go to:

<https://www.hexcel.com/contact>

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