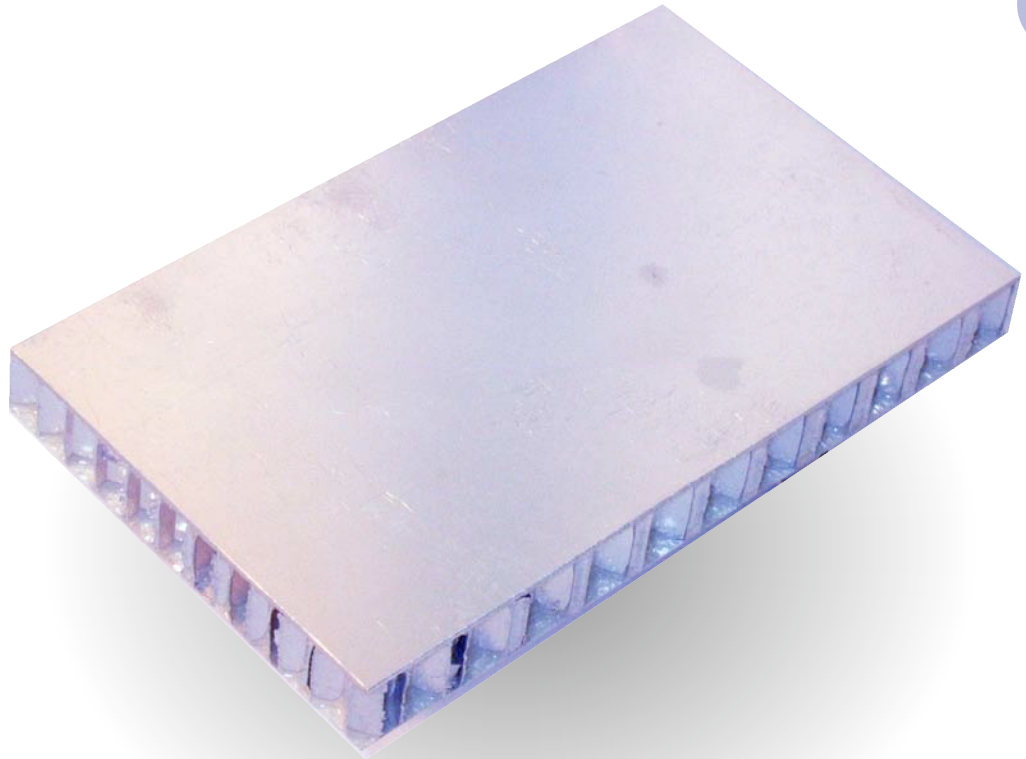


Aluminum honeycomb is one of the most widely used core materials in the aerospace industry. Many combinations of core densities and face materials enable the designer to specify panels to meet a wide variety of requirements.

General Veneer Manufacturing Co. has been supplying lightweight parts and raw materials to the Aircraft and Aerospace Industry for over 50 years.



### **Geneerco #3, Type 76**

Geneerco #3, Type 76, consists of an aluminum honeycomb core sandwiched between aluminum facings, offering light weight, high performance, flame retardancy, corrosion resistance

and cost effectiveness in one bonded sandwich panel. These qualities make it suitable for use in a wide range of applications. Fatigue testing indicates a long service life can be expected.

*Geneerco Structures are available for many applications and installations that require quality products at a competitive cost. Please contact General Veneer Manufacturing Co. for more information regarding other available panel types.*

*As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.*

## Geneerco #3, Type 76

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco Composites #3	Type 76	
Weight	1.41	p.s.f.
Overall Thickness	0.25	in.
Top Skin Thickness	0.04	in.
Bottom Skin Thickness	0.04	in.
Skin Alloy	7075 T6	n/a
Nominal Core Density	4.5	p.c.f.
Core Alloy	5052	n/a
Nominal Core Cell Size	1/8	in.
Nominal Core Foil Thickness	0.001	in.
Length • Nominal 96", 120", 144"	96	in.
Width • Nominal 48", 60", 72"	48	in.
Panels are available in other thicknesses, widths, lengths and core densities per customer request. Some widths may require skin splices.		

Panel Strength • Test Method	Typical Values	Unit
Geneerco Composites #3	Type 76	
Flatwise Tensile • MIL-STD-401	600	p.s.i.
Stabilized Compression • MIL-STD-401	375	p.s.i.
Climbing Drum Peel • Standard Condition	30	in.-lb./3-in. width
Core Shear	168	p.s.i.
Values listed represent theoretical averages to be expected. Prospective users should evaluate the material to determine if material is suitable for the users' specific requirements. User assumes all risk and responsibilities for any loss or damage caused by or resulting from the use of any information contained within this product bulletin.		
Typical values listed are for adhesive bond failure using standard structural analysis. In the event of core or metal failure, the adhesive bond test shall be considered satisfactory.		



Need a part, not just a raw panel? General Veneer Manufacturing Co. can machine, drill, fill, prime, paint and add hardware to your product. We are a fully automatable shop, with 3 large CNC routers and a team of specialists for delicate custom work. Our finished parts fly daily and are launched into space on a regular basis.

General Veneer Manufacturing Co.

8652 Otis Street • P.O. Box 1607 • South Gate, California 90280 • U.S.A. • (323) 564-2661

www.generalveneer.com