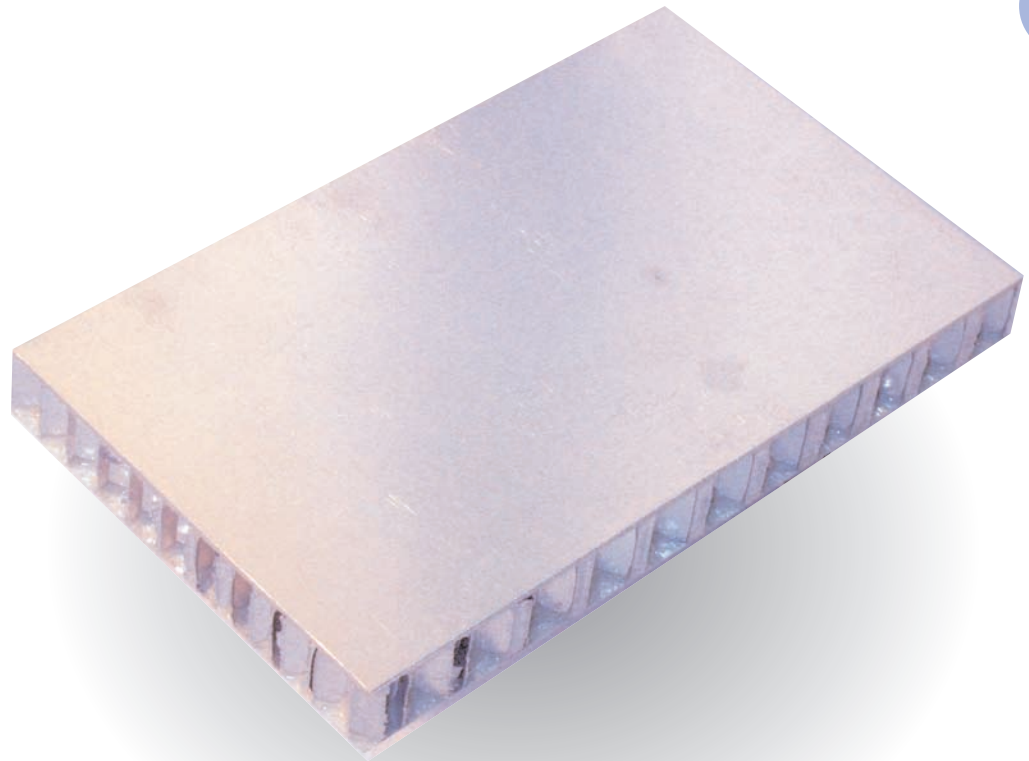


Aluminum honeycomb is one of the most widely used core materials in the aerospace industry. Many combinations of core densities and face materials enable the designer to specify panels to meet a wide variety of requirements.

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 59C

Geneerco #3, Type 59C, consists of an aluminum honeycomb core sandwiched between aluminum facings, offering light weight, high performance, flame retardancy 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.

Chemical conversion coatings per MIL-C-5541 and protective masking films available upon request. Geneerco #3, Type 59C, meets or exceeds the requirements of TMSI I-903 Type B, Grade 4A.

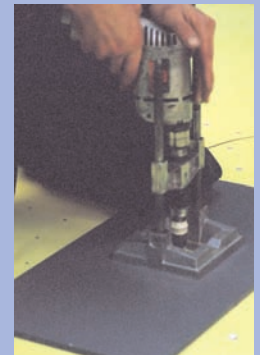
Geneerco Structures are available for many applications and installations that require quality products at a competitive cost. Please contact General Veneer Manufacturing Co. for more information regarding other available panel types.

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 59C

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #3	Type 59C	
Weight	1.99	p.s.f.
Overall Thickness	1.500	in.
Top Skin Thickness	0.040	in.
Bottom Skin Thickness	0.040	in.
Skin Alloy	7075-T6 Clad	n/a
Nominal Core Density	4.3	p.c.f.
Core Alloy	5052	n/a
Core Cell Size	1/4	in.
Core Foil Thickness	0.002	in.
Length • Nominal 96", 120", 144"	Up to 192	in.
Width • Nominal 48", 60", 72"	Up to 72	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 #3	Type 59C	
Stabilized Compression • MIL-STD-401	350	p.s.i.
Climbing Drum Peel • Standard Condition	26	in-lb/3 in. width
Core Shear (L) • MIL-STD-401	290	p.s.i.
Short Beam Shear 6" (L) • MIL-STD-401	290	p.s.i.
Flatwise Tensile	400	p.s.i.
Flammability • 60 Sec. Vertical Ignition	15	sec. self ext. max.
Chemical conversion coatings per MIL-C-5541 and protective masking films also available.		
Geneerco #3, Type 59C meets or exceeds the requirements of TMS11-903 Type B, Grade 4A.		
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.		



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.

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www.generalveneer.com