



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 74**

Geneerco #3, Type 74, consists of an aluminum honeycomb core sandwiched between cross-plyed woven fiberglass reinforced epoxy faces. Geneerco #3, Type 74, offers light weight, high performance, flame resistance, impact resistance and cost effectiveness in one bonded sandwich

panel. Although designed for use in flooring applications, these qualities make it suitable for use in a wide range of applications. Fatigue testing indicates a long service life can be expected.

Geneerco #3, Type 74, is qualified to LAC C-28-1147.

*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 74

<b>Typical Physical and Mechanical Properties</b>		
<b>Physical Description</b>	<b>Typical Values</b>	<b>Unit</b>
<b>Geneerco Composites #3</b>	<b>Type 74</b>	
Weight	0.85	p.s.f.
Overall Thickness	0.375	in.
Top Skin Thickness	0.035	in.
Bottom Skin Thickness	0.015	in.
Nominal Core Density	6.1	p.c.f.
Core Alloy	5052	n/a
Nominal Core Cell Size	1/8	in.
Nominal Core Foil Thickness	0.0015	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.		

<b>Panel Strength • Test Method</b>	<b>Typical Values</b>	<b>Unit</b>
<b>Geneerco Composites #3</b>	<b>Type 74</b>	
Flatwise Tensile • MIL-STD-401	440	p.s.i.
Stabilized Compression • MIL-STD-401	350	p.s.i.
Long Beam Bending • MIL-STD-401 (3 in. Width, 18 in. Span, 1/4 Point Loading)	315	lb.
Flame Resistance • Char Length (12 Sec. Vertical Ignition)	8	in. max
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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