



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.

### **Geneerco #3, Type 22**

Geneerco #3, Type 22, consists of an aluminum honeycomb core sandwiched between thin gauge aluminum facings, offering light weight, high performance, flame 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.*

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

General Veneer Manufacturing Co.  
8652 Otis Street • P.O. Box 1607 • South Gate, California 90280 • U.S.A. • (323) 564-2661  
[www.generalveneer.com](http://www.generalveneer.com)

## Geneerco #3, Type 22

<b>Typical Physical and Mechanical Properties</b>		
<b>Physical Description</b>	<b>Typical Values</b>	<b>Unit</b>
<b>Geneerco #3</b>	<b>Type 22</b>	
Weight	1.0	p.s.f.
Overall Thickness	0.500	in.
Top Skin Thickness	0.020	in.
Bottom Skin Thickness	0.020	in.
Skin Alloy	2024-T3	n/a
Nominal Core Density	6.1	p.c.f.
Core Alloy	5052	n/a
Core Cell Size	1/8	in.
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 #3</b>	<b>Type 22</b>	
Stabilized Compression • MIL-STD-401	825	p.s.i.
Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	484	lb.
Deflection at 100 lbs.	0.15	in.
Climbing Drum Peel • Standard Condition	70	in-lb/3 in. width
Climbing Drum Peel • 30 Day Water Soak	63	in-lb/3 in. width
Flammability • 60 Sec. Vertical Ignition	0	sec.
Panel Shear 12" (L/W) • MIL-STD-401	525/305	lb.
Gardner Impact	40	in-lb
Facing Stress	42000	p.s.i.
Flatwise Tensile	1050	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.		



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.

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