



End Grain Balsa core offers high impact resistance and compressive properties as well as long service life at low cost. With these qualities, it comes as no surprise that many airlines and airframe manufacturers make wide use of End Grain Balsa sandwich structures. A large stock of balsa is available in all densities from General Veneer Manufacturing Co.

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



Geneerco #4, Type 34C

Geneerco #4, Type 34C, consists of a heavyweight end-grain balsa core sandwiched between medium-gauge aluminum 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 cargo flooring applications, these qualities make it suitable for use in a wide range of applications requiring extended duty cycle and rugged performance. 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 #4, Type 34C

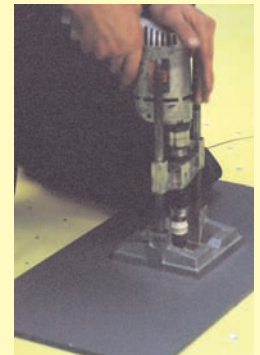
Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #4	Type 34C	
Weight	1.01	p.s.f.
Overall Thickness	0.400	in.
Top Skin Thickness	0.020	in.
Bottom Skin Thickness	0.012	in.
Skin Alloy	2024-T3 Clad	n/a
Nominal Core Density	12.0	p.c.f.
Length • Nominal 96", 120", 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 #4	Type 34C	
Stabilized Compression • MIL-STD-401	1000	p.s.i.
Climbing Drum Peel* • Standard Condition	30	in-lb/3 in. width
Long Beam Bending • MIL-STD-401 (3 in. Width, 20 in. Span, 1/4 Point Loading)	250	lb.
Deflection at 100 lbs.	0.30	in.
Core Shear • MIL-STD-401 (3 in. Width, 12 in. Span, 1/4 Point Loading)	200	p.s.i.
Flammability 60 Sec. Vertical Ignition	15	sec. self ext. max.

*Climbing Drum Peel tests conducted with .012 faces.

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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