



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 1B

Geneerco #4 series consists of a military-grade end-grain balsa core sandwiched between plies of aluminum, titanium or fiberglass. End-grain balsa offers excellent isolation of impact damage, making it a superior choice for long-term installation in high-abuse environments. Ounce for ounce, it offers strength characteristics

in the same class as Nomex[®] or aluminum honeycomb cores, at a significantly reduced in-place cost. The 1990s brought new high-performance balsa cores to the aerospace market.

Geneerco #4, Type 1B, meets or exceeds the requirements of BMS 4-10 Type I, Grade B.

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 1B

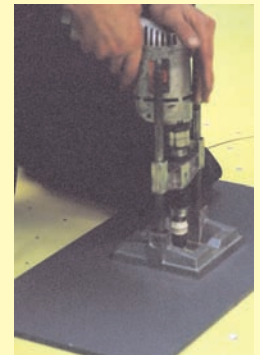
Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #4	Type 1B	
Weight	0.95	p.s.f.
Overall Thickness	0.410	in.
Top Skin Thickness	0.020	in.
Bottom Skin Thickness	0.012	in.
Skin Alloy	2024-T3 Bare	n/a
Nominal Core Density	9.0	p.c.f.
Length • Nominal 96", 120", 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 1B	
Stabilized Compression • MIL-STD-401	1000	p.s.i.
Climbing Drum Peel* • Standard Condition	20	in-lb/3 in. width
Climbing Drum Peel* • 30-Day Water Soak	14	in-lb/3 in. width
Core Shear • MIL-STD-401 (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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