

Nomex[®] honeycomb was developed with the advent of the wide-body commercial airplane for use in flooring, bulkheads, dividers, galley structures and lavatories. General Veneer Manufacturing Co. was among the first to use it in production. Nomex[®] core offers high impact resistance and compressive properties and performs superbly on the food cart roller test.

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

Geneerco #6, Types 13, 14 & 15

In the Geneerco #6 series of non-metallic bonded sandwich panels, Types 13, 14 and 15 combine Nomex[®] honeycomb cores and unidirectional epoxy fiberglass faces to offer light weight, high performance, corrosion resistance, flame retardancy, impact resistance and cost effectiveness. Although designed for use in flooring, these qualities make this panel set suitable for use in a wide range of

applications. Fatigue testing indicates a long service life can be expected.

Type 13 uses medium density core, with heavy duty skins. Type 14 uses medium density core with standard weight skins, and Type 15 uses low-density core with standard weight skins.

Type 13 is qualified to LAC C-28-1386 Type III. Type 14 is qualified to Type I. Type 15 is qualified to Type II.

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.

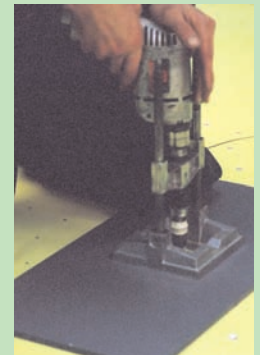
As primary manufacturers of composite sandwich structures, we can help customers achieve maximum efficiency and cost-effectiveness when we also machine finished parts and add coatings, putty, and aerospace hardware.

Nomex[®] is a registered trademark of DuPont.

Generco #6, Types 13, 14 & 15

Typical Physical and Mechanical Properties				
Physical Description	Typical Values			Unit
Generco #6	Type 13	Type 14	Type 15	
Weight	1.30	0.62	0.51	p.s.f.
Overall Thickness	0.375	0.375	0.375	in.
Top Skin Thickness	0.040	0.015	0.015	in.
Bottom Skin Thickness	0.040	0.015	0.015	in.
Nominal Core Density	9.0	9.0	5.0	p.c.f.
Core Cell Size	1/8	1/8	1/8	in.
Length • Nominal 96", 120", 144"	Up to 192	Up to 192	Up to 192	in.
Width • Nominal 48", 60", 72"	Up to 72	Up to 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
Generco #6	Type 13	Type 14	Type 15	
Flatwise Tensile • MIL-STD-401	450	475	380	p.s.i.
Stabilized Compression • MIL-STD-401	1615	1615	570	p.s.i.
Long Beam Bending • MIL-STD-401	675	234	216	lb.
Short Beam • MIL-STD-401	900	475	380	lb.
Climbing Drum Peel • Standard Condition	23	23	23	in-lb/3-in. width
Flammability • 60 Sec. Vertical Ignition	15/6	15/6	15/6	sec./in.
LAC C-28-1386 Qualification and Approval	Type III	Type I	Type II	
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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