



Nomex<sup>®</sup> 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<sup>®</sup> 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, Type 24

Geneerco #6 series is a non-metallic core bonded sandwich panel. This panel offers light weight, high performance, corrosion resistance, flame retardancy, impact resistance and cost effectiveness in one bonded sandwich panel with reinforced polymer or metallic faces. 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.

Type 24 uses medium density Nomex<sup>®</sup> honeycomb core, with uni-directional epoxy fiberglass skins.

Geneerco Floor #6, Type 24, is constructed from a basic Floor #6, Type 14 panel with an aluminum overlay of .032 6061T6 on the face surface for added durability.

*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<sup>®</sup> is a registered trademark of DuPont.*

## Geneerco #6, Type 24

Typical Physical and Mechanical Properties		
Physical Description	Typical Values	Unit
Geneerco #6	Type 24	
Weight	1.16	p.s.f.
Overall Thickness	0.407	in.
Top Fiberglass Skin Thickness	0.015	in.
Bottom Fiberglass Skin Thickness	0.015	in.
6061 T6 Face Overlay Thickness	0.032	in.
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 #6	Type 24	
Stabilized Compression • MIL-STD-401	1615	p.s.i.
Long Beam Bending • MIL-STD-401 (20 in. Span, 1/4 Point Loading)	260	lb.
Short Beam • MIL-STD 401-B	500	lb.
Climbing Drum Peel • Standard Condition	30	in-lb/3-in. width
Gardner Impact	50	in-lb
Values shown for Geneerco #6, Type 14 construction only. Geneerco #6, Type 14 is qualified to LAC C-28-1386, Type I. Geneerco #6, Type 24 adds an overlay of .032 6061 T6 aluminum on the face surface for added durability. Meets the 60-second vertical burn requirements of FAR 25.853.		
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.

8652 Otis Street • P.O. Box 1607 • South Gate, California 90280 • U.S.A. • (323) 564-2661

www.generalvener.com