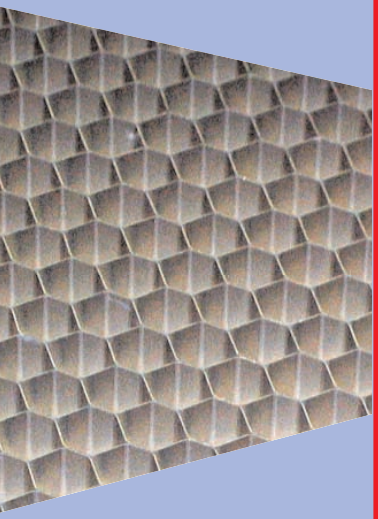
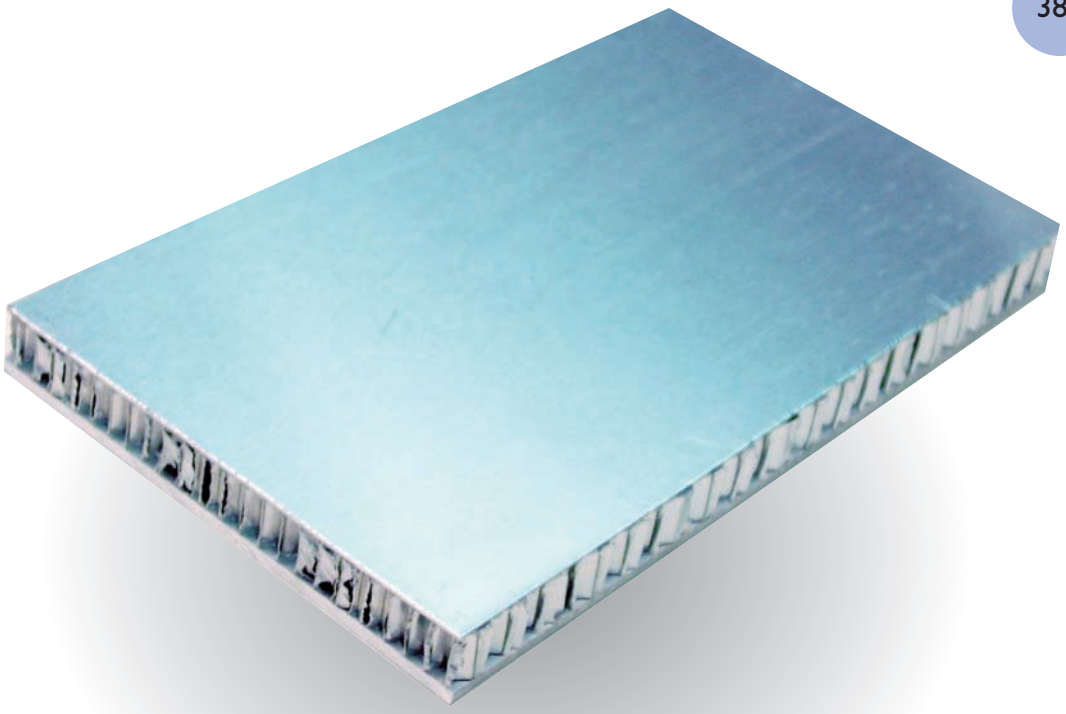


Aluminum honeycomb is one of the most widely used core materials in the aerospace industry. Many combinations of core densities and face materials enable the designer to specify panels to meet a wide variety of requirements.



Geneerco #3, Type 86

Geneerco #3, Type 86, consists of an aluminum honeycomb core sandwiched between a sturdy aluminum face and back. Geneerco #3, Type 86, offers light weight, high performance, flame resistance, impact resistance and cost effectiveness in one bonded sandwich panel. 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.

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

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Geneerco #3, Type 86

Typical Physical and Mechanical Properties		
Physical Description	**Typical Values**	
Geneerco #3	**Type 86**	**Unit**
Weight	1.86	p.s.f.
Overall Thickness	0.750	in.
Top Skin Thickness	0.040	in.
Bottom Skin Thickness	0.040	in.
Skin Alloy	7075-T6-Clad	n/a
Nominal Core Density	8.1	p.c.f.
Core Alloy	5052	n/a
Nominal Core Cell Size	1/8	in.
Nominal Core Foil Thickness	0.002	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.		

Panel Strength • Test Method	**Typical Values**	
Geneerco #3	**Type 86**	**Unit**
Stabilized Compression • ASTM C 365	1000	p.s.i.
Core Plate Shear • ASTM C 273	400	p.s.i.
Flatwise Tensile • ASTM C 297	600	p.s.i.
Values listed are for adhesive failure using standard structural analysis given in MIL-STD-401. In the event of core or metal failure, the adhesive bond shall be considered satisfactory.		
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.		
Meets the 60-second Vertical and 45-Degree requirements of FAR 25.853.		

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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