

Geneerco Floor #5, Polyvinyl Chloride Foam Sandwich Structures

1. Background

General Veneer Manufacturing Co. has been supplying lightweight materials and products to the aircraft and aerospace industry for over 50 years. With the advent of the wide body commercial airplane, new materials were required to meet their specific needs. We were among the first to use these new materials in production and have continued to develop new configurations.

2. Product Introduction

The Polyvinyl Chloride Foam Floor, developed to reduce the flexibility of existing flooring and yet provide a floor flexible enough to withstand heel damage. General Veneer Manufacturing Co., because of our experience in bonding floorboards, was invited to participate in its development. This floor is now being used throughout the world.

3. Performance

Research and development testing on fatigue properties indicate a long service life can be expected. Geneerco flooring is suitable for many applications and installations that require quality products at a competitive in-place cost.

Please contact General Veneer Manufacturing Co. for more information regarding physical and mechanical properties of specific panel types.

4. Type Identification

Listed in the following table are some of the combinations currently being manufactured and used throughout the aircraft and aerospace industry. Other products are available for specific applications.

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Type	Top Face	Bottom Face	Thickness ^①	Weight ^②
1	.020 2024 T-3	.012 2024 T-3	.400	.75
2	.020 7075 T-6	.012 7075 T-6	.400	.75
3	.020 7075 T-6	.012 7075 T-6	.400	.70 ^③
4	.016 7075 T-6	.012 7075 T-6	.400	.70 ^③
5	.030 Geneerco Epoglass	.030 Geneerco Epoglass	.400	.83
6	.044 Geneerco 515	.014 Geneerco 515	.400	.61
7	.058 Geneerco 515	.058 Geneerco 515	.400	.82
8	.010 Titanium	.005 Titanium	.400	.65
9	.025 2024 T-3	.025 2024 T-3	.400	1.20 ^③
10	.030 Geneerco Epoglass	.030 Geneerco Epoglass	.500	.88

① Other thicknesses are available.

② Pounds per square foot.

③ Four pounds per cubic foot foam. Standard would be 5.7 pounds per cubic foot.