



PRODUCT DATA SHEET

Gillfab® 5120

DESCRIPTION

Gillfab® 5120 is a very thin sandwich panel made with aluminum skins and aluminum honeycomb.

APPLICATIONS

The panel is designed for flooring, cabinetry and instrument panels in general aviation aircraft. The panel is more rigid than plate aluminum of the same thickness but weighs 50% less.

FEATURES

- Lighter weight, lower cost and stronger than traditional aluminum sheeting
- Can be routed, sawed and drilled like sheet aluminum
- Good bolted joint pull-out. Inserts not required
- Adhesive not affected by aircraft lubricants, cleaning fluids or fuel
- Panel can withstand 190°F for long term and 300°F for short term without marked deterioration of physical and/or mechanical properties



AVAILABILITY

Thickness, inch (mm)	0.091 (2.31), 0.125 (3.18)
Facing, face/back, inch (mm)	0.020/0.011 (0.508/0.279) 0.020/0.020 (0.508/0.508)
Length, inch (mm)	Typical 120 (3,048), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 48 (1,219)
Honeycomb	Light and medium aluminum honeycomb core



CONSTRUCTION

- Adhesive:** Epoxy film adhesive meeting requirements of Mil-A-25463
- Core:** 5052N aluminum honeycomb
- Facings:** 2024-T3 aluminum sheet with Anogrip® anodize

SPECIFICATIONS

- FAR 25.853 Flammability

HEALTH PRECAUTIONS

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A SDS is available at <https://www.thegillcorp.com/msds.php>.

For industrial use only. Keep away from children. Additional information can be found at: www.thegillcorp.com. For sales and ordering information call 1-626-443-6094.



PERFORMANCE PROPERTIES, TYPICAL

TGC Part Number	5120	
Panel Weight, psf (kg/m ²)	0.72 (3.52)	
Panel Thickness, inch (mm)	0.126 (3.20)	
Skin Thickness, face/back, inch (mm)	0.020/0.020 (0.508/0.508)	
Flatwise compression, psi (Mpa)	1,012 (6.98)	
Climbing Drum Peel, in-lbs/3" width (N-m/76mm width)	Face	60 (6.78)
	Back	39 (4.41)
Flammability	Meets FAR 25.853 & 855 App F Part I (a)(1)(I)	

Figures shown reflect typical values and should not be used as design specifications.

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