

**PRODUCT DATA SHEET**

Gillfab® 5142

DESCRIPTION

Gillfab® 5142 is an aircraft grade sandwich panel made from aluminum alloy facings bonded to end grain balsa wood core.

APPLICATIONS

The panel is designed for use as cargo flooring in containerized areas.

FEATURES

- Economical option of high performance aircraft flooring
- Service temperature: -50°F to 160°F (-46°C to 71°C)

AVAILABILITY

Thickness, inch (mm)	0.390 (9.91)
Facing, face/back, inch (mm)	0.016/0.011 (0.406/0.279)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 48 (1,219)
Honeycomb	Medium-density end grain balsa wood core

CONSTRUCTION

Adhesive:	Epoxy
Core:	Balsa wood core
Facings:	Etched Al Clad 7075-T6 aluminum

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 5040	The panel offers different selections of aluminum skin types and is bonded to heavy density end grain balsa with elastomer adhesive.

SPECIFICATIONS

- McDonnell Douglas Drawing S4929905
- FAR 25.853 - fire resistance

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**

The following tests are run in accordance with MIL STD 401B and ASTM standard method.

TGC Part Number	5142
Panel Weight, psf (kg/m ²)	0.63 (3.08)
Panel Thickness, inch (mm)	0.390 (10.2)
Skin Thickness, face/back, inch (mm)	0.016/0.010 (0.406/0.279)
Climbing Drum Peel, in-lbs/3" width (N-m/76mm width)	49 (5.54)
Climbing Drum Peel after humidity conditioned, in-lbs/3" width (N-m/76mm width)	49 (5.54)

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

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