



PRODUCT DATA SHEET

Gillfab® 5142A

DESCRIPTION

Gillfab® 5142A 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)	0.020/0.011 (0.508/0.279)
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 elastic adhesive.

SPECIFICATIONS

- McDonnell Douglas Drawing S4929962
- 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	5142A
Panel Weight, psf (kg/m ²)	0.72 (3.51)
Panel Thickness, inch (mm)	0.390 (10.2)
Skin Thickness, face/back, inch (mm)	0.020/0.011 (0.508/0.279)
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.

All recommendations, statements, values and technical data herein are based on tests The Gill Corporation believes to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. Users shall rely on their own information and tests to determine suitability of the product for the intended use and assume all risks and liability resulting from their use of the product. The Gill Corporation's sole responsibility shall be to replace that portion of the product that proves to be defective. The Gill Corporation will not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements not contained in a written agreement signed by an officer of The Gill Corporation shall not be binding upon The Gill Corporation. Gillfab® is a registered trademark of The Gill Corporation.