



PRODUCT DATA SHEET

Gillfab® 4123

DESCRIPTION

Gillfab® 4123 is a low smoke sandwich panel made from woven fiberglass cloth reinforced phenolic facings bonded Gillcore® HD honeycomb core.

APPLICATIONS

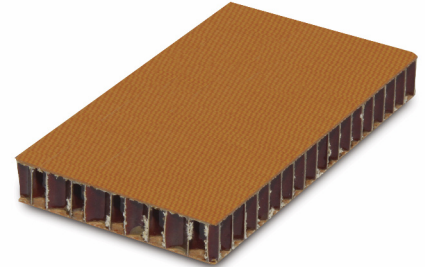
The panel is designed for use as flooring panels in the main deck on cargo compartment and freighter for Airbus Industrie A321/A330/A340/A300/A310/A300-600 aircrafts.

FEATURES

- High impact strength
- Low smoke emission
- Corrosion resistant
- Light weight
- Fire resistant
- Service temperature: to 180°F (82°C)

AVAILABILITY

Thickness, inch (mm)	0.374 (9.5)
Length and Width, inch (mm)	Typical 48 x 144 (1,219 x 3,658) Maximum 60 x 144 (1,524 x 3,658)
Facing, face/back, inch (mm)	0.030/0.020 (0.762/0.508)



CONSTRUCTION

Adhesive:	Epoxy
Core:	Meta-aramid
Facings Reinforcement:	Woven glass cloth
Facings Resin System:	Phenolic

SPECIFICATIONS

- AI Technical Specification No. 5360 M1M 000500, Issue 5 (MDC2)
- FAR 25.853 - fire resistant
- ABD 0031 - Smoke density, toxicity, flammability, and burn through

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 5360 M1M 000500.

TGC Part Number		4123-374
Weight, psf (kg/m ²)		0.78 (3.80)
Warpage, in/ft (mm/m)		0 (0)
Long Beam Bending, lbs (N)	Ribbon (L) Direction	504 (2,242)
	Transverse (W) Direction	464 (2,062)
Deflection @ 100 lbs, inch (@445N, mm)	Ribbon (L) Direction	0.55 (13.84)
	Transverse (W) Direction	0.56 (14.09)
Panel Shear, lbs (N)		964 (4,288)
Drum Peel, in-lbs/3" width (N/76mm width)		73 (323)
Stabilized Core Compression, psi (N/mm ²)		1,821 (12.55)
Impact Strength, ft-lbs (Nm)		8.45 (11.46)
In-plane Shear, lbs/in (N/mm)		782 (137)
Insert Shear, lbs (N)		1,921 (8,546)
Indentation, lbs (N)		450 (2,002)
Flammability		Meet FAR 25.853 & 855 App F Part I & III
Food Roller Cart, cycles (lbs/wheel - kgs/wheel)		No depression at 120k (126 - 57) No depression at 35k (165 - 75)

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

Updated: 12/01/19

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.