



PRODUCT DATA SHEET

Gillfab® 4004B

DESCRIPTION

Gillfab® 4004B is a low smoke sandwich panel made from unidirectional fiberglass reinforced phenolic facings bonded to Gillcore® HD meta-aramid honeycomb core.

APPLICATIONS

The panel is designed for use as flooring in the cargo areas of large commercial aircraft. The panel could be used as a low smoke, aircraft grade panel for galleys, flooring, and bulkheads. Three types of panels are available for high, medium and low strength applications.

FEATURES

- High impact strength
- Corrosion resistant
- Low smoke and toxicity generation
- Light weight
- Service temperature range: to 180°F (80°C)

AVAILABILITY

	4004B Ty I	4004B Ty II	4004B Ty II
Thickness, inch (mm)	0.280 (7.11) 0.405 (10.29)	0.280 (7.11) 0.405 (10.29) 0.780 (19.81)	0.280 (7.11) 0.405 (10.29)
Facings thickness, face/back, inch (mm)	0.015/0.015 (0.381/0.381)		
Core Type	High-density Gillcore® HD Meta-Aramid	Medium-density Gillcore® HD Meta-Aramid	Light-density Gillcore® HD Meta-Aramid
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)		
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)		



CONSTRUCTION

- Adhesive:** Epoxy
- Core:** Gillcore® HD meta-aramid
- Facings Reinforcement:** Unidirectional glass fiber
- Facings Resin System:** Phenolic

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 4004A	Thicker skin on the face side. For use as passenger flooring in high load areas.

SPECIFICATIONS

- BAe MAT 006 Ty 1-3



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 MAT 006 specification requirements.

TGC Part Number	4004B Ty II	4004B Ty III
Thickness, inch (mm)	0.281 (7.14)	0.406 (10.31)
Weight, psf (kg/m ²)	0.470 (2.29)	0.450 (2.20)
Long Beam Bending stress, psi (MPa)	52,873 (365)	39,666 (273)
Deflection @ 170 lbs, inch (@756N, mm)	1.68 (42.67)	0.73 (18.54)
Short Beam Shear Strength, psi (Mpa)	400 (2.76)	191 (1.32)
Drum Peel, in-lbs/3" width (N/76mm width), face/back	30 (133)	30 (133)
Flammability	Meet FAR 25.853 Part III	

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® and Gillcore® are registered trademarks of The Gill Corporation.