



## PRODUCT DATA SHEET

# Gillfab® 4505

### DESCRIPTION

Gillfab® 4505 is a low smoke sandwich panel with facings of phenolic resin reinforced with woven fiberglass and unidirectional carbon fiber bonded to a Gillcore® HD Nomex® honeycomb core.

### APPLICATIONS

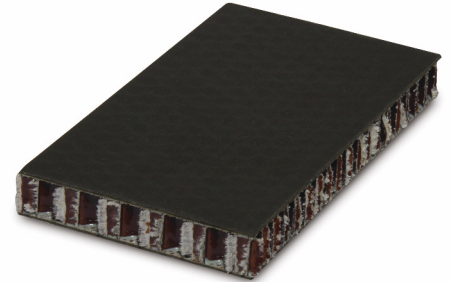
Flooring panel for heavy duty use in passenger aisle and galley areas and flight compartments for Airbus A318/A319/A320/A321/A330/A340 aircrafts.

### FEATURES

- All phenolic resin - low smoke emission in a fire
- High strength and rigidity
- Corrosion resistant facings
- Light weight
- Service temperature: to 180°F (82°C)

### AVAILABILITY

Thickness, inch (mm)	0.374 (9.5)
Length, inch (mm)	Maximum 60 (1,524)
Width, inch (mm)	Maximum 144 (3,658)
Facing thickness, face/back, inch (mm)	0.020/0.020 (0.5/0.5)



### CONSTRUCTION

**Adhesive:** Epoxy  
**Core:** Nomex®  
**Facings Reinforcement:** Unidirectional carbon fiber with woven glass cloth  
**Facings Resin System:** Phenolic

### ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 4505	Low smoke sandwich floor panel with thicker facings, heavier density core. For use in high traffic areas.
Gillfab® 4605	Low smoke sandwich floor panel with thinner facings, lighter density core. For use under seating areas.

### SPECIFICATIONS

- Airbus Industrie Technical Specification No. 5360 M1M 000600, Issue 3, Panel Type PC3
- FAR 25.853: flammability: 12 and 60 second vertical test
- ABD 0031 - Smoke density, toxicity, and 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](http://www.thegillcorp.com). For sales and ordering information call 1-626-443-6094.



**PERFORMANCE PROPERTIES, TYPICAL**

The following tests are run in accordance with A1 5360 MIM000600 specification requirements.

<b>TGC Part Number</b>	<b>4505-374</b>
Weight, psf (kg/m <sup>2</sup> )	0.691 (3.10)
Warpage, in/ft (mm/m)	0 (0)
Long Beam Bending, lb (N)	520 (2,314)
Deflection @ 100 lbs, inch (@445N, mm)	0.328 (8.33)
Drum Peel, in-lbs/3" width (N/76mm width)	80 (356)
Flammability	Meet requirements of FAR 25.853 Appendix F Part I (a)(1)(i) & (a)(2)(ii)

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

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