



# Gillfloor® 4609

## DESCRIPTION

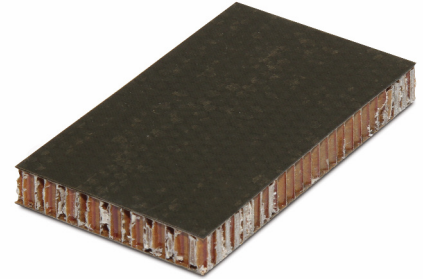
Gillfloor® 4609 is a light weight, high strength and low smoke flooring panel made from unidirectional carbon fiber reinforced phenolic facings bonded to Gillcore® HD honeycomb.

## APPLICATIONS

The panel is designed for use as flooring panels in cabin compartments of commercial aircrafts.

## FEATURES

- High impact strength
- Light weight
- Low smoke generation
- Service temperature up to 180°F (82°C)



## AVAILABILITY

	4609 Ty L	4609 Ty M
Thickness, inch (mm)	0.400 (10)	
Facing, face/back inch (mm)	0.014/0.014 (0.356/0.356)	
Length and width, inch (mm)	Typical 48 x 96 (1,219 x 2,438) Maximum 72 x 96 (1,829 x 2,438)	
Honeycomb	Gillcore® HD low-density	Gillcore® HD medium-density

## CONSTRUCTION

- Adhesive:** Phenolic  
**Core:** Meta-aramid  
**Facings Reinforcement:** Unidirectional carbon fiber  
**Facings Resin System:** Phenolic

## ALTERNATIVE GILLFLOOR® PRODUCTS

TGC Product No.	Difference
Gillfloor® 4509	Phenolic graphite facings bonded to low and medium-density Gillcore® HD meta-aramid core
Gillfab® 4505	Phenolic graphite facings bonded to medium-density Gillcore® HD meta-aramid core
Gillfloor® 4709	Epoxy graphite facings bonded to low and medium-density Gillcore® HD meta-aramid core

## SPECIFICATIONS

- British Aerospace AVN 3-005
- British Aerospace BAER 3231 Rev. 1 Grade L
- British Aerospace BAER 3231 Rev 1 Grade M
- FAR 25.853 - fire resistant



**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 AVN 3-005 specification requirements.

TGC Part Number	4609 Ty L	4609 Ty M
Weight, psf (kg/m <sup>2</sup> )	0.381 (1.86)	0.534 (2.61)
Long Beam Bending, lbs-in (Nm/mm)	272 (31)	255 (29)
Drum Peel, in-lbs/in-width (N/25mm width)	Face side	9 (0.97)
	Bottom side	7 (0.83)
Flatwise Compressive, psi (N/mm <sup>2</sup> )	598 (4.12)	1714 (11.82)
Flammability	Meets FAR 25.853 & 855 Appendix F Part I	
Food roller cart, cycles (lb/wheel - N/wheel)	No depression at 160k (33 - 147)	No depression at 160k (100 - 445)

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