



# 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.

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