



PRODUCT DATA SHEET

Gillfab® 4223

DESCRIPTION

Gillfab® 4223 is a high-strength sandwich panel composed of woven cloth fiberglass reinforced phenolic skins bonded to a Gillcore® HD meta-aramid aramid honeycomb. Designed to meet the Airbus BCC2 requirements without the application of an aluminum sheet to the top surface.

APPLICATIONS

Floor panels for bulk cargo compartments in Airbus A318/A319/A320/A321/A330/A340/A300/A310/A300-600.

FEATURES

- High impact strength and abrasion resistance
- Corrosion resistant
- Low smoke and toxicity emission
- Self-extinguishing and resistant to flame penetration in accordance with FAR Part 25 Appendix F
- Service temperature: to 180°F (82°C)

AVAILABILITY

Thickness, inch (mm)	0.496 (12.6)
Length, inch (mm)	Maximum 144 (3,658)
Width, inch (mm)	Maximum 72 (1,829)



CONSTRUCTION

- Adhesive:** Epoxy film
Core: Gillcore® HD meta-aramid honeycomb
Reinforcement: Woven fiberglass cloth
Resin System: Phenolic
Facing: Top: 0.050 inch (1.27 mm); Bottom: 0.020 inch (0.508 mm)

SPECIFICATIONS

- AI Technical Specification No. 5360 M1M 000500, Issue 3 (BCC2)
- 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. An 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 M1M0005006 TY BCC2 (Airbus) specification test methods.

TGC Part Number	4223
Weight, psf (kg/m ²)	1.01 (4.93)
Thickness, in (mm)	0.50 (12.6)
Warpage, in/ft (mm/m)	0 (0)
Impact strength, ft-lbs (N-m)	13.6 (18.4)
L.B. flexural, ultimate x/-ks, lbs (N)	955 (4248)
Deflection at 100 lbs (445N), in (mm)	0.28 (7.1)
Drum peel, in-lbf/3" width (N/76 mm width)	35 (310)
Flammability - 60 seconds vertical	
Self-extinguishing time, seconds	4
Burn length, in (mm)	0.875 (22.2)
Drip extinguish time, seconds	0

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

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