



PRODUCT DATA SHEET

Gillfab® 4522

DESCRIPTION

Gillfab® 4522 is a low smoke sandwich floor panel made from woven fiberglass reinforced phenolic facings bonded to Gillcore® HD Nomex® honeycomb core.

APPLICATIONS

Flooring panels for containerize cargo holds in all Airbus Industrie 300 series aircrafts

FEATURES

- High impact strength
- Corrosion resistant
- Light weight
- Low smoke generation
- Good burn through resistance
- Service temperature: 180°F (82°C)

AVAILABILITY

Thickness, inch (mm)	0.374 (9.5)
Length and Width, inch (mm)	Maximum 60 x 144 (1,524 x 3,658)
Facing thickness, face/back, inch (mm)	0.020/0.015 (0.508/0.381)



CONSTRUCTION

Adhesive:	Epoxy
Core:	Nomex®
Facings Reinforcement:	Fiberglass woven cloth
Facings Resin System:	Phenolic

SPECIFICATIONS

- AI Technical Specification No. 5360 M1M 000500, Issue 5 (CCC1)
- 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. 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

TGC Part Number	4522-374
Weight, psf (kg/m ²)	0.609 (2.97)
Long Beam Bending, lb (N)	323 (1,439)
Deflection @ 100 lbs, inch (@445N, mm)	0.83 (21)
Panel Shear, lbs (N)	755 (3,449)
Drum Peel, in-lbs/3" width (N/76mm width)	71 (317)
Stabilize Compression, psi (N/mm ²)	1,690 (11.65)
Impact Strength, ft-lbs (Nm)	4.88 (6.61)
Insert Shear, lbs (N)	2,293 (10,200)
Warpage, in/ft (mm/m)	0 (0)
Flammability	Meets requirements of FAR 25.853 & 855 Appendix F Part I and III

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

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