



PRODUCT DATA SHEET

Gillfab® 4422

DESCRIPTION

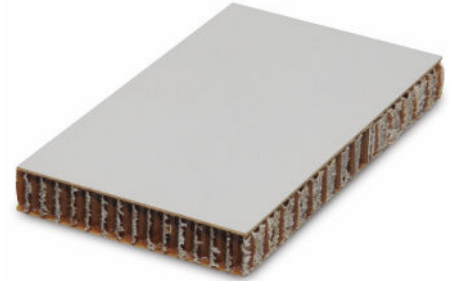
Gillfab® 4422 is a light weight and low smoke cargo liner panel made from woven fiberglass reinforced phenolic facings boned to meta-aramid honeycomb core.

APPLICATIONS

The panel is designed to use as cargo compartment lining in sidewalls, ceilings, partition walls, and as decompression panels in the lower cargo hold in all Airbus Industrie A300/A310/A300-600, A318, A319/A320/A321 and A330/A340 aircrafts.

FEATURES

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



AVAILABILITY

	4422-295	4422-307	4422-315	4422-331	4422-346	4422-366	4422-386	4422-413	4422-508	4422-547	4422-610	4422-630
Thickness, inch (mm)	0.295 (7.5)	0.307 (7.80)	0.315 (8.00)	0.331 (8.4)	0.346 (8.8)	0.366 (9.30)	0.386 (9.80)	0.413 (10.50)	0.508 (12.90)	0.547 (13.90)	0.610 (15.50)	0.630 (16.00)
Facing, Face/back, inch (mm)	0.013/0.013 (0.330/0.330)	0.020/0.020 (0.508/0.508)	0.020/0.020 (0.508/0.508)	0.020/0.020 (0.508/0.508)	0.020/0.020 (0.508/0.508)	0.013/0.013 (0.330/0.330)	0.020/0.020 (0.508/0.508)	0.013/0.013 (0.330/0.330)	0.013/0.013 (0.330/0.330)	0.020/0.020 (0.508/0.508)	0.013/0.013 (0.330/0.330)	0.013/0.013 (0.330/0.330)
Length and width, inch (mm)	Typical 48 x 144 (1,219 x 3,658) Maximum 72 x 168 (1,829 x 4,267)											

CONSTRUCTION

- Adhesive:** Modified phenolic
- Core:** Meta-aramid
- Facings Reinforcement:** Fiberglass cloth and/or Unidirectional Fiberglass
- Facings Resin System:** Phenolic

SPECIFICATIONS

- Airbus Industrie Technical Specification No. 2550 M1M 0008 00
- FAR Part 25, Appendix F, Parts I and III (burn through)
- ABD 0031
- The Gill Corporation Report No. AIM-2001 - Airline Instruction Manual for Cargo Liner Laminates and Panels



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

The following tests are run in accordance with Airbus 2550 M1M 000800 specification requirements.

TGC Part Number	4422-295	4422-307	4422-315	4422-331	4422-346	4422-366	4422-386	4422-413	4422-508	4422-547	4422-610	4422-630
Weight, psf (kg/m ²)	0.452 (2.207)	0.577 (2.817)	0.580 (2.832)	0.549 (2.682)	0.548 (2.677)	0.478 (2.334)	0.606 (2.96)	0.495 (2.417)	0.530 (2.58)	0.717 (3.50)	0.568 (2.773)	0.575 (2.807)
Long Beam Bending, lbs (N)	107 (476)	202 (899)	193 (860)	260 (1,157)	250 (1,113)	135 (601)	269 (1,197)	173 (770)	182 (810)	337 (1,500)	223 (992)	235 (1,046)
Drum Peel, Face/Back, in-lbs/3" width (N/76mm width)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)	48/48 (214/214)	50/50 (223/223)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)	23/23 (204/204)
Stabilized Core Compression, psi (N/cm ²)	601 (414)	575 (396)	592 (408)	577 (398)	537 (370)	597 (411)	596 (411)	581 (401)	594 (410)	577 (398)	577 (398)	554 (382)
Impact Strength, ft-lbf (Nm)	17 (23)	17 (23)	17 (23)	21.83 (29.5)	17.34 (23.4)	17 (23)	17 (23)	17 (23)	17 (23)	26 (35)	17 (23)	17 (23)
Warpage, in/ft (mm/m)	<0.036 (3.0)											
Flammability	Meets requirements of FAR 25.853 & 855 Appendix F Part I & III											

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

Updated: 10/16/24

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. Gillfab® is a registered trademark of The Gill Corporation.