



PRODUCT DATA SHEET

Gillfab® 4122A/B

DESCRIPTION

Gillfab® 4122A/B is a light weight and low smoke emission sandwich panel made from woven glass reinforced phenolic facings bonded to meta-aramid honeycomb core. 1 mil white polyvinyl fluoride film can be added on the face side or both sides of the panel.

APPLICATIONS

Versatile panels typically used for aircraft interior applications such as sidewall, cargo compartments, bulkheads, galley and ceiling panels. Also suitable for joiner panels on Navy and other large ships.

FEATURES

- Low smoke emission
- Good burn through resistant
- Corrosion resistant
- High strength to weight ratio

AVAILABILITY

Thickness, inch (mm)	0.125 (3.175)	0.455 (11.56)
	0.200 (5.08)	0.500 (12.70)
	0.250 (6.35)	0.750 (19.05)
	0.315 (8.00)	0.828 (21.03)
	0.344 (8.74)	1.0 (25.4)
	0.400 (10.16)	1.04 (26.42)
Facings, inch (mm)	0.010/0.010 (0.254/0.254)	
	0.020/0.020 (0.508/0.508)	
	0.030/0.030 (0.762/0.762)	
Width, inch (mm)	Typical 48 (1,219), Maximum 72 (1,829)	
Length, inch (mm)	Typical 96 (2,438), Maximum 168 (4,267)	
Core	Gillcore® HD light-density honeycomb	



CONSTRUCTION

Adhesive: Modified phenolic
Core: Gillcore® HD honeycomb
Facings Reinforcement: Fiberglass cloth
Facings Resin System: Phenolic

1 mil white polyvinyl fluoride film overlay can be added on the face side or both sides.

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 4022	Similar construction and resin with the exception of epoxy adhesive and medium-density Gillcore® HD honeycomb. Superior in strength and minimum smoke emission.



SPECIFICATIONS

Gillfab® 4122A

- McDonnell Douglas specification 3962952
- Embraer specification MEP15-029
- Israel Aircraft 365-25-21-92081
- FAR 25.853a - fire resistance

Gillfab® 4122B

- Israel Aircraft 365-25-21-92081
- FAR 25.853a - fire resistance

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 BMS 8-223 specification requirements.

TGC Part Number		4122A-250	4122A-500
Panel Thickness, inch (mm)		0.250 (6.35)	0.500 (12.70)
Skin Thickness, inch (mm)		0.010/0.010 (0.254/0.254)	0.010/0.010 (0.254/0.254)
Weight, psf (kg/m ²)		0.29 (1.42)	0.36 (1.76)
Long Beam Bending, lbs (N)		150 (667)	153 (681)
Deflection @ 100 lbs, inch (@ 445N, mm)		N/A	0.944 (24)
Drum Peel, in-lbs/3" width (N/76mm width)	Top	41 (182)	41 (182)
	Bottom	42 (187)	37 (165)
Flammability		Meets FAR 25.853 and 855 App F Part I	

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

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