



PRODUCT DATA SHEET

Gillfab® 4030

DESCRIPTION

Gillfab® 4030 is a semi-structural sandwich panel made from aluminum facings bonded to aluminum honeycomb core.

APPLICATIONS

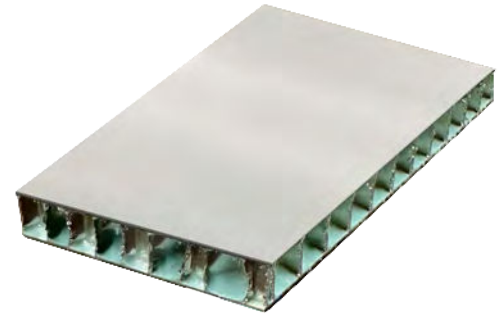
The panel is designed for use in aircraft interiors including bulkheads, shelving, and galley panels. The skin thickness, alloy, honeycomb density, and panel thickness can be ordered to meet end use requirements.

FEATURES

- High strength-to-weight ratio
- Wide selection of cores and facing alloys available for general purpose sandwich panel
- Service temperature: -70°F (-56°C) to 160°F (70°C)

AVAILABILITY

Thickness, inch (mm)	0.125 - 2.00 (3.175 - 50.8)
TGC designation of facing type	4030-Alclad or Bare Aluminum 4030X Anodized Aluminum 4030L Alodined Aluminum 4030H Alodined Aluminum, low heat release 4030C Alodined Al Clad, low heat release and electrical conductive
Facing thickness, inch (mm)	0.010 - 0.100 (0.254 - 2.54)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)
Honeycomb	5052 & 5056 Aluminum light to medium-density core



CONSTRUCTION

- Adhesive:** Epoxy
Core: Aluminum core (5052 or 5056)
Skin: Aluminum skins (2024-T3 or 7075-T6)

SPECIFICATIONS

- DWG F9XJ550042A0
- MEP 02-010 Classes I-V
- CCS1039
- FAR 25.853 and 25.855 Appendix F Part I

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 MEP 02-010, ASTM D7249 (previously C393), ASTM D1781 and ASTM C365.

TGC Part Number	4030-250001AA2D ¹	4030-385003CC2P ¹	4030-500003CC2P ¹	4030-750003CC2P ¹	4030-500003CC2N	
Skin Thickness, inch (mm)	0.011/0.011 (0.28/0.28)	0.020/0.020 (0.51/0.51)	0.020/0.020 (0.51/0.51)	0.020/0.020 (0.51/0.51)	0.020/0.020 (0.51/0.51)	
Skin Type	2024-T3	2024-T3	2024-T3	2024-T3	2024-T3, Anodized	
Core Type Cell Size-density-type	3/8-2.3# 5052N	3/8-5.7# 5052N	3/16-5.7# 5052N	3/16-5.7# 5052N	1/8-4.5 # 5052N	
Weight, psf (kg/m ²)	0.48 (2.34)	0.87 (4.25)	0.94 (4.59)	1.07 (5.22)	0.86 (4.20)	
Thickness, inch (mm)	0.250 (6.35)	0.384 (9.75)	0.510 (12.95)	0.745 (18.92)	0.498 (12.65)	
Long Beam Bending, lbs (N) 20 inch span	Ribbon direction	143 (636)	511 (2,273)	723 (3,216)	957 (4,257)	609 (2,709) ²
	Transverse direction	N/A	N/A	N/A	N/A	536 (2,384) ²
Deflection @100 lbs, inch (@445N, mm)	0.890 (22.6)	0.247 (6.27)	0.134 (3.40)	0.056 (1.42)	N/A	
Short Beam Bending, lbs (N) 6 inch span	Ribbon direction	N/A	1,447 (6,437)	1,839 (8,180)	2,603 (11,579)	1,198 (5,329) ²
	Transverse direction	N/A	895 (3,981)	1,015 (4,515)	1,444 (6,423)	663 (2,92)
Climbing Drum Peel, in-lbs/3" width (N/76mm width), Ribbon direction	N/A	95 (422)	99 (440)	97 (431)	84/78 (374/347) ³	
Core Compression, psi (MPa)	273 (1.88)	1,267 (8.74)	1,154 (7.96)	1,261 (8.69)	677 (4.67) ⁴	
Flammability	Meet FAR 25.853 App F Part I					

¹ Embraer MEP 02-010

² ASTM D 7249 (previously C 393)

³ ASTM D 1781, measurements on the face and back sides.

⁴ ASTM C 365

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