



PRODUCT DATA SHEET

Gillfloor® 4017T

DESCRIPTION

Gillfloor® 4017T is a light weight flooring panel made from unidirectional fiberglass reinforced epoxy facings bonded to Nomex® honeycomb core.

APPLICATIONS

Versatile flooring panels suitable for different areas in aircraft. Type I and VI are for cabin areas, such as aisles, entry ways or service doors. Type II is for light traffic areas, such as under seats and upper baggage bays. Type III, IV and V are for medium to high traffic areas, such as freighter aircraft, lower, forward and riser baggage bays.

FEATURES

- Fatigue resistant
- Corrosion and moisture resistant
- High impact strength
- High strength-to-weight ratio
- Low smoke generation
- Service temperature range: to 180°F (80°C)

AVAILABILITY



	4017T Ty I	4017T Ty II	4017T Ty III	4017T Ty IV	4017T Ty V	4017T Ty VI
Thickness, inch (mm)	0.280 (7.11) 0.400 (10.16) 0.405 (10.29) 0.530 (13.46) 0.630 (16.00)	0.218 (5.54) 0.280 (7.11) 0.330 (8.38) 0.400 (10.16) 0.410 (10.41) 0.530 (13.46) 0.535 (13.59) 0.655 (16.64) 0.780 (19.81)	0.400 (10.16) 0.535 (13.59)	0.400 (10.16) 0.585 (14.86)	0.295 (7.50)	0.400 (10.16)
Facing, face/back, inch (mm)	0.015/0.015 (0.381/0.381) 0.045/0.022 (1.143/0.559) 0.038/0.022 (0.965/0.559)	0.015/0.015 (0.381/0.381) 0.022/0.015 (0.559/0.381)	0.030/0.015 (0.762/0.381) 0.045/0.022 (1.143/0.559)	0.022/0.015 (0.559/0.381)	0.015/0.015 (0.381/0.381)	0.022/0.015 (0.559/0.381)
Length, inch (mm)	Typical 120 (3,048), Maximum 144 (3,658)					
Width, inch (mm)	Typical 48 (1,219), Maximum 68 (1,727)					
Honeycomb	Gillcore® HD high-density	Gillcore® HD medium-high density	Gillcore® HD high-density	Gillcore® HD low-medium density	Gillcore® HD medium-density	Gillcore® HD medium-density

CONSTRUCTION

- Adhesive:** Epoxy
- Core:** Nomex®
- Facings Reinforcement:** Unidirectional glass fiber
- Facings Resin System:** Epoxy



**SPECIFICATIONS**

- McDonnell Douglas specification BZZ 7002 Types 1 thru 3
- Embraer MEP 15-031
- BAe MAT 003
- 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](http://www.thegillcorp.com). For sales and ordering information call 1-626-443-6094.

**PERFORMANCE PROPERTIES, TYPICAL**

The following tests are run in accordance with COMPS-028 & -022 specification requirements.

TGC Part Number	4017T Ty I	4017T Ty II	4017T Ty III	4017T Ty IV	4017T Ty V	4017T Ty VI
Panel Thickness, inch (mm)	0.400 (10.16)	0.400 (10.16)	0.535 (13.59)	0.535 (13.59)	0.295 (7.50)	0.400 (10.16)
Skin Thickness, inch (mm)	0.038/0.022 (0.965/0.559)	0.022/0.015 (0.559/0.381)	0.045/0.022 (1.143/0.559)	0.022/0.015 (0.559/0.381)	0.015/0.015 (0.381/0.381)	0.022/0.015 (0.559/0.381)
Weight, psf (kg/m <sup>2</sup> )	0.87 (4.25)	0.72 (3.52)	1.08 (5.27)	0.70 (3.42)	0.49 (2.39)	0.61 (2.98)
Long Beam Bending, lbs (N)	575 (2,558)	474 (2,108)	762 (3,390)	368 (1,637)	191 (850)	270 (1,201)
Deflection @ 100 lbs, inch (@ 445N, mm)	0.47 (11.94)	0.59 (14.99)	0.19 (4.83)	0.30 (7.62)	1.44 (36.58)	0.66 (16.76)
Drum Peel, in-lbs/3" width (N/76mm width)	60 (267)	62 (276)	52 (231)	53 (236)	52 (231)	56 (249)
Flammability	Meets FAR 25.853 Part I and III					

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

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