

**PRODUCT DATA SHEET****Gillfab® 5433F****DESCRIPTION**

Gillfab® 5433F is a hybrid laminate made from aluminum facings bonded to woven and unidirectional fiberglass reinforced epoxy laminate.

APPLICATIONS

The laminate is designed for use as a cargo compartment flooring panel in high traffic areas such as the cargo compartment door area and in bulk cargo areas.

FEATURES

- Dent, puncture, and abrasion resistant
- High strength
- Fire resistant
- Recommended service temperature range: up to 160°F (71°C)

AVAILABILITY

Thickness, inch (mm)	0.058 (1.47)
Length, inch (mm)	Typical 96 (2,438) Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219)
Facings (face/back), inch (mm)	0.016/0.020 (0.406/0.508) and 0.020/0.016 (0.508/0.406)

**CONSTRUCTION**

Reinforcement: Epoxy woven and unidirectional fiberglass reinforced laminate

Facing: Aluminum Alloy 2024-T3

SPECIFICATIONS

- 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**

TGC Part Number		5433F¹
Thickness, inch (mm)		0.054 (1.37)
Weight, psf (kg/m ²)		0.72 (3.51)
Impact Strength ² , ft-lbs (N-m)		31 (42.0)
Tensile Strength ³ , ksi (MPa)	Longitudinal	86 (593)
	Long transverse	96 (662)
Roller Peel Strength ⁴ , lbs/inch (N/25mm)		37 (165)
Water absorption ⁵ , %		0
Flammability		Meets requirement of 25.853 & 855 Part I

Table shown reflects typical values and should not be used as design specifications.

1 – Test based on 5433F laminates with 0.016"/0.020" facings.

2 – Impact Strength was tested and calculated per ASTM D5420 using a modified dart and specimen test frame.

3 – Tensile Strength was tested and calculated per ASTM B557.

4 – Roller Peel Strength was tested and calculated per ASTM D3167.

5 – Water absorption was tested calculated per ASTM D570.

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