

**Gillfab™ 5433C Panel**

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Description

Gillfab 5433C is a sandwich panel made from aluminum facings bonded to a woven fiberglass reinforced epoxy core.

Applications

Used as a cargo compartment flooring panel in areas of high abuse such as those just inside the cargo compartment door and in bulk cargo areas.

Features

- Dent, puncture, and abrasion resistant.
- High strength construction -- flexural modulus of aluminum with the weight of a fiberglass laminate.

Specifications

- Boeing BMS 7-326, Type VII, Class 2/1.
- FAR 25.855 flammability.

Construction

Core: Modified, fire retardant epoxy woven fiberglass reinforced.
Facings: Aluminum alloy 2024T3.
Adhesive: Epoxy adhesive.

Availability

Thickness: .058".
Size: 48" x 144".
Facings: .016"/.020".
Core: .020".

Standard Tolerances

Thickness: +/- 0.006"
Length: + .25", -0"
Width: + .25", -0"
Warpage: <.003" L2t, where L = length (ft.) and t = thickness (in.).



Alternative Gill Products

Product Number	Difference
Gillfab 5033	Aramid cloth core.
Gillfab 7133/7134	Each has aluminum edge close outs 1/2" wide.

Properties of Gillfab 5433C

Based on 0.058 inch thick panel with 0.020" / 0.016" facings and 0.020" thick core
typical average property values

PROPERTY	TEST METHOD	UNIT	VALUE
Weight	ASTM C29	lb/sq ft (kg/sq m)	0.75 (3.66)
Thickness	ASTM C 366	inch (mm)	0.058 (1.47)
Roller Peel Top Facing Bottom Facing	ASTM D3167	lb (N)/ in width lb (N)/ in width	40 (178) 40 (178)
Tensile Strength, Ultimate L (0 degrees) LT (90 degrees)	ASTM B557	ksi (MPa) ksi (MPa)	85 (586) 83 (572)
Tensile Strength, 2% Offset L (0 degrees) LT (90 degrees)	ASTM B557	ksi (MPa) ksi (MPa)	70 (483) 68 (469)
Formability, 90 degrees Bend, 0.375" Radius	BMS 7-326D	---	Pass
Water Absorption	ASTM C272	%	0.32
Impact Strength	BSS 7326	ft-lb (N-m)	31 (42)
Flammability - 60 Second Vertical Self-Extinguishing Time Burn Length Drip Extinguishing Time	FAR 25.853	second inch (mm) second	0 0 0
Flammability - 45 Degree Self-Extinguishing Time Afterglow Penetration	FAR 25.853	second second ----	0 0 None

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