



PRODUCT DATA SHEET

Gillfab® 5433E

DESCRIPTION

Gillfab® 5433E is a hybrid laminate made from aluminum facings bonded to a woven 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)	0.050 (1.27)
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 fiberglass reinforced laminate
Facing: Aluminum Alloy 2024-T3

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 5433A	Same construction with the option of primer on the bottom face.

SPECIFICATIONS

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

TGC Part Number	5433E*	
Thickness, inch (mm)	0.058 (1.47)	
Weight, psf (kg/m ²)	0.75 (3.67)	
Impact Strength, ft-lbs (N-m)	35 (47.5)	
Tensile Strength, ksi (MPa)	Longitudinal	93 (641)
	Long transverse	88 (606)
Roller Peel Strength, lbs/inch (N/25mm)	Face side	44 (196)
	Back side	50 (222)
Water absorption, %	0	
Flammability	Meets requirement of 25.853 & 855 Part I and III	
Formability	No cracking, fracturing or delaminating	

*Test based on 5433E panels with 0.016"/0.020" facings.

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

All recommendations, statements, values and technical data herein are based on tests The Gill Corporation believes to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. Users shall rely on their own information and tests to determine suitability of the product for the intended use and assume all risks and liability resulting from their use of the product. The Gill Corporation's sole responsibility shall be to replace that portion of the product that proves to be defective. The Gill Corporation will not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements not contained in a written agreement signed by an officer of The Gill Corporation shall not be binding upon The Gill Corporation. Gillfab® is a registered trademark of The Gill Corporation.