



Gillfab® 3072 h-Profile

DESCRIPTION

Gillfab® 3072 is a formed 'h' profile produced with layers of woven glass reinforced phenolic and a white polyvinyl fluoride film overlay on the face side. Profiles are available in four different channel heights for proper interface with Gillfab® 4422 sandwich panels.

APPLICATIONS

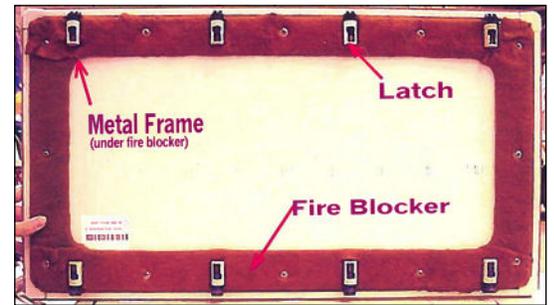
Gillfab® 3072 h-profile is used to produce the frame around the periphery of the decompression panels installed in the lower cargo hold of Airbus Industries A300, A310, A300-600, A318, A319, A320 and A321 aircraft. This product can be used for both the repair and the manufacture of replacement decompression panels.

FEATURES

- Economical alternative to metal profiles
- Fire-resistant (meet FAR Part 25, Appendix F, Parts I and III)
- Corrosion resistance
- Service temperature -40°F to 158°F (-40°C to 70°C)
- Good break strength to ensure pressure compensation between the pressure cabin and the cargo compartment

AVAILABILITY

	Dimension	Tolerance
Width:	2.4 inch (61 mm)	+0.008/-0.0 inch (+0.2/-0.0 mm)
Length:	Typical 70 inch (1,778 mm)	+1.0/-0.0 inch (+25.4/-0.0 mm)
	Maximum 72 inch (1,829 mm)	
Channel width:	0.323, 0.394, 0.516 and 0.630 inch (8.2, 10.0, 13.1 and 16.0 mm)	+0.008/-0.000 inch (+0.2/-0.0 mm)
Thickness:	0.0256 inch (0.650 mm)	+/-0.0025 inch (+/-0.065 mm)



To ensure correct functioning of the decompression panel assembly, the corresponding sandwich panel and h-profile must be used together. Failure to follow this procedure can cause a change in geometry of the assembly, resulting in possible malfunctioning during a decompression event. See the reference tables below for identification and reference dimensions for h-profiles and corresponding decompression panels, and sandwich panel and h-profile assembly for decompression panels.

Identification and Reference Dimensions for h-profiles and Corresponding Decompression Panels

Sandwich Panel			Corresponding h-Profile		
Airbus Type	Nominal Thickness, mm (in.)	The Gill Corporation Panel Identification	Airbus Type	Nominal Width of Channel, mm (in.)	The Gill Corporation h-Profile Identification
A	7.5 (0.295)	Gillfab 4422-295	A	8.2 (0.323)	Gillfab 3072A
C	8.0 (0.315)	Gillfab 4422-315	A	8.2 (0.323)	Gillfab 3072A
D	9.3 (0.366)	Gillfab 4422-366	B	10.0 (0.394)	Gillfab 3072B
E	9.8 (0.386)	Gillfab 4422-386	B	10.0 (0.394)	Gillfab 3072B
G	12.9 (0.508)	Gillfab 4422-508	C	13.1 (0.516)	Gillfab 3072C
H	15.5 (0.610)	Gillfab 4422-610	D	16.0 (0.630)	Gillfab 3072D



Airbus Aircraft	Decompression Panel		h-Profile		Aircraft Application
	Airbus Type	The Gill Corporation Product	Airbus Type	The Gill Corporation Product	
A300	A	Gillfab® 4422-295	A	Gillfab® 3072A	Decompression Panel Sidewall AFT Decompression Panel Frame C64 Decompression Panel Sidewall FWD Decompression Panel Frame C20
	C	Gillfab® 4422-315	A	Gillfab® 3072A	
	D	Gillfab® 4422-366	B	Gillfab® 3072B	
	H	Gillfab® 4422-610	D	Gillfab® 3072D	
A310, A300-A600	A	Gillfab® 4422-295	A	Gillfab® 3072A	Decompression Panel Sidewall AFT Decompression Panel Frame C70 Decompression Panel Sidewall FWD Decompression Panel Frame C20
	C	Gillfab® 4422-315	A	Gillfab® 3072A	
	D	Gillfab® 4422-366	B	Gillfab® 3072B	
	H	Gillfab® 4422-610	D	Gillfab® 3072D	
A320/A321 Container Version	A	Gillfab® 4422-295	A	Gillfab® 3072A	Decompression Panel Ceiling Decompression Panel Frame C52.A Decompression Panel Frame C28 Decompression Panel Frame C56 Decompression Panel Frame C24.A
	E	Gillfab® 4422-386	B	Gillfab® 3072B	
	G	Gillfab® 4422-508	C	Gillfab® 3072C	
A319/A320/A321 Bulk Version	A	Gillfab® 4422-295	A	Gillfab® 3072A	Decompression Panel Ceiling Decompression Panel Frame C52.A Decompression Panel Frame C28 Decompression Panel Frame C56 Decompression Panel Frame C24.A
	E	Gillfab® 4422-386	B	Gillfab® 3072B	
	G	Gillfab® 4422-508	C	Gillfab® 3072C	
A319 Bulk Version	E	Gillfab® 4422-386	B	Gillfab® 3072B	Decompression Panel Frame C55.A

CONSTRUCTION

Reinforcement: Woven E-glass fiber cloth
Resin: Phenolic
Surface Finish: White polyvinyl fluoride film

SERVICE LIFE

The service life of Gillfab® 3072 h-profile is not planned, i.e. the component will be operated until its performance indicates a failure.

SPECIFICATIONS

- Qualified to Embraer specification MEP 15-030
- FAR 25.853 and 25.855: 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. For sales and ordering information call 1-626-443-6094.

PERFORMANCE PROPERTIES, TYPICAL

The following tests are run in accordance with Airbus 2550M1M 000400 specification requirements.

Property	3072A	3072B	3072C	3072D
Thickness, inch (mm)	0.0256±0.0025 (0.650 ±0.065)			
Weight, lbs/LF (kg/m)	0.0807 (0.120) Max			
Channel width, inch (mm)	0.323 (8.2)	0.394 (10.0)	0.516 (13.1)	0.630 (16.0)
Break strength, lbs/2" width	12	13	13	13
Flammability	Meet requirements of FAR Part 25, Appendix F, Parts I and III			

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

Updated: 12/01/19

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.